



VIETNAM PROJECT REFERENCES

All projects are completed by Vinh Hiep Hung Co., Ltd. unless otherwise noted. Updated April 2017

1. Methane Tank, Vietnam Brewery (A Heineken Joint Venture), Hoc Mon District, HCMC

Contractor: *HaiVan-Thiess Constructors*

Repair various leaks around a 7-meter high methane tank filled with water. High-pressure leaks are repaired with Xypex Patch 'n Plug prior to applying Xypex Concentrate by Dry-Pac method. Total area repaired is about 65 linear meters of cracks. Complete in June 1996.

2. Mini-Mart, Tennis Club, & Restaurant at Riverside Apartments, Thu Duc District, HCMC

Owner: *Riverside Joint Venture Co., Ltd.*

Contractor: *Hoa Binh Construction Co.*

A 2 coat system of Xypex Concentrate & Modified is applied over the roofs, and 1 coat of Xypex Concentrate on floors of these new buildings. Total areas treated are around 1,768 m². Works for Mini-Mart & Tennis Club completed in August 1996, the Restaurant completed in January 1997.

3. Mercure Vinh Thuy Hotel, Phan Thiet

Owner: *Danao Int'l Holdings Ltd.*

Contractor/Applicator: *Vinaco Ltd.*

Provide technical guidance to waterproof all the roof gutters, bathrooms, and balconies of this 6-story hotel, which previously applied with bitumen. The bitumen was removed before the application of Xypex. Xypex also applied to the clubhouse roof gutters. Total area treated is over 3,000 m². Complete in November 1996.

4. Kao Vietnam Factory, Amata Industrial Park, Bien Hoa, Dong Nai Province

Owner: *Kao Vietnam Ltd.*

Contractor: *Vinata International Joint Venture Co., Ltd. (Taisei & Vinaconex)*

A 2 coat system of Xypex Concentrate & Modified is applied over roof of mixing plant, office building, and 2 new underground water tanks. Repair construction joints on a waste treatment tank, & an underground receiving tank. Total area treated is 1,700 m², complete in December 1996.

5. Le Phan Construction Co. Head Office, 97 Nguyen Duy Duong St., Dist. 10, HCMC

Contractor: *Le Phan Construction Co. Ltd.*

Apply a 2 coat system of Concentrate & Modified to the roof water tank. Complete in August 1996.

6. Swimming Pools, Sports Center of Dist. 4, HCMC

Contractor/Applicator: *Petroleum Construction Co. (PECCO) Team No.7*

Supply & provide technical guidance using Xypex Patch n' Plug to repair all leaking cracks, then apply 2 coat system of Xypex Concentrate & Modified to the children swimming pool and the Olympic-sized competition pool. Total area treated is approximately 3,000 m². Complete in January 1997.

7. Nguyen Hue School, 42 Nguyen Khoai St., Dist. 4, HCMC

Contractor/Applicator: *Petroleum Construction Co. (PECCO) Team No.4*

Provide materials and technical guidance to repair & waterproof the roof & gutters of an old school. Complete in 1996.



8. Sanyo Home Appliance Factory Phase I, Bien Hoa Industrial Zone II, Dong Nai Province

Owner: Sanyo Vietnam Home Appliances Corporation

Contractor: Obayashi Corporation

A 2 coat system of Xypex Concentrate and Modified is applied to the roof gutters at the factory building, the utility building, the toilet building, and also repaired a defective septic tank. Total area treated is approximately 2,500 m², completed in November, 1996.

9. Shuen Viet Apartments & Office Building, Dist. 10, HCMC

Owner/Contractor: Shuen Viet Joint Venture Co., Ltd.

A 2 coat system of Xypex Concentrate and Modified applied to the roof gutters and the central feature fountain, 1 coat of Xypex Concentrate applied to the terraces, and balconies of blocks A & C. Supply materials and technical support to repair blocks B & D previously waterproofed with bitumen system. Total area treated is over 4,000 m². Complete in May 1997.

10. Southern Fortune International Trade & Business Center, Dist. 1, HCMC

Owner: Hase-Saicoop Joint Venture Co. (Hasegawa & Saigon Co-op)

Contractor: Shimizu Corporation

Apply 1 coat of Concentrate to the recessed face of diaphragm walls. Areas treated are approximately 360 m² for concrete beam/column areas, and 150 linear meters of Dry-Pac to construction joints. Complete in January 1997.

11. Shimizu Hochiminh City Head Office, Dist. 1, HCMC

Owner/Contractor: Shimizu Corporation

Xypex is specified to repair and waterproof approximately 200 m² of roofs, canopies, gutters, and planters of an old villa. Complete in November 1996.

12. Vietnam Government Office Complex, Dist. 1, HCMC

Owner: Government Office of Vietnam

Main Contractor: Vietnam International Construction Co., Ltd.

Supply and provide technical guidance to repair and apply Xypex Concentrate to basement water tanks, and spot repair the main potable water tanks. Complete in December 1996.

13. Department of Industry Office Building, 163 Hai Ba Trung St., Dist. 1, HCMC

Owner: Department of Industry & R.E.E. Joint Venture

Main Contractor: Saigon Architect and Engineering Co., Ltd. (SA&E)

Repair the main water tank at the roof in 2 phases without cutting water supply to the tenants, and fire safety system. All defective mortar is removed and applied a 2 coat system of Xypex Concentrate & Modified. Leaks at penetrations are sealed by Dry-Pac method. Total area treated is approximately 88m² and 43 linear meters of construction joints. Complete in March 1997.

14. Phu My Power Plant, Ba Ria - Vung Tau Province

Owner: PetroVietnam-Gas Project Management Board

Designer/Contractor: PetroVietnam Engineering & Construction Co.

Repaired defective concrete, then waterproof the inside faces of an 800 m³ semi-subterranean fire water tank. Complete in March 1997.

15. Nhieu Loc Housing Complex, Dist. 3, HCMC

Contractor: Youth Construction Co., Ltd. - Team No. 4

88 bathroom floors are waterproofed with Xypex Concentrate with fillet treatment at wall/floor joints; all floor penetrations are sealed with Dry-Pac. Total areas treated are approximately 132 m². Complete in March 1997.

16. Park Hyatt Hotel, 101 Hai Ba Trung St., Dist. 1, HCMC

Contractor: Impresa Ing. Fortunato Federici SpA

Initially repair existing ground water leakage along 120 linear meters of construction joints at the basement. Works continued onto the elevator pits and some part of the diaphragm walls. Total areas treated are approximately 290 m² and 250 linear meters of construction joints. Complete June 1997.

17. Vocational Center of District 3, HCMC

Contractor/Applicator: Petroleum Construction Co. (PECCO) Team No.4

Supply materials and technical guidance. Apply Xypex Concentrate to toilet floors, roof, and gutters. Approximately 350 m² treated. Supplied in 1997

18. Waste Treatment Plant, Vietnam Singapore Industrial Park, Song Be Province

Owner: Vietnam Singapore Industrial Park J.V. Co., Ltd. (VSIP)

Design Consultant: Pollution Engineering Sdn. Bhd. of Malaysia

Contractor/Applicator: Construction Co. No. 8

Supply materials & technical guidance to repair a 300 m² waste treatment tank in April 1997.

19. Finance & Accounting University, Dist. 10, HCMC

Contractor/Applicator: Petroleum Construction Co. (PECCO) Team No.4

Apply Xypex Concentrate to toilet floors, roof, and gutters. Approximately 180 m² treated. Complete in 1997.

20. Elementary School of Ward 16, Dist. 4, HCMC

Contractor/Applicator: Petroleum Construction Co. (PECCO) Team No.4

Apply Xypex Concentrate to toilet floors, water tank, & gutters. Approximately 200 m² treated. Complete in 1997.

21. Construction Co. No. 44 Office, 75/5 Xo Viet Nghe Tinh St., Binh Thanh District, HCMC

Owner: Construction Company No. 44

Repair and waterproof a 40 m² roof and gutter with 2-coat system of Xypex Concentrate & Modified. Complete in February 1997.

22. Dau Tieng Reservoir / Dam, Tay Ninh Province

Owner: Dau Tieng Reservoir Board of Directors

Designer: Hydraulic Engineering Consultants No. 2

Contractor: Construction Co. No. 44

Repair on leaks and deteriorated concrete at the dam. Xypex Patch n' Plug was used to stop water leakage from the positive side, then apply Dry-Pac with Xypex Concentrate on the negative side against high hydrostatic pressure. Repair is 100% successful but there is problem with budget. Trial performed in March 1997.



23. Organ Needle Factory, Tan Thuan Export Processing Zone, Dist. 7, HCMC

Contractor/Applicator: Shimizu Corporation

Supply material & technical guidance to repair the roof gutters at the office & factory buildings. Previous bitumen waterproofing & mortars removed and Xypex Concentrate applied in Dry-Pac form to repair cracks on the concrete roofs. Approximately 103 m² treated. Complete in April 1997.

24. Long Thanh Water Supplying Plant, Tuy Ha-Nhon Trach Industrial Zone

Owner: Dong Nai Industrial Zone - Urban Development Company

Contractor/Applicator: Construction Enterprise No. 2

Supply material and technical support to spot repair leaks of filtration tank in April 1997.

25. Fujitsu Computer Factory, Bien Hoa Industrial Zone II, Dong Nai Province

Owner: Fujitsu Vietnam Corporation

Main Contractor: Hazama Corporation

Repair cracks and waterproofs concrete roof of a utility building. Existing mortar topping is removed, then applied a 2 coat system of Xypex Concentrate and Modified. A new protective mortar is placed as insulation for the concrete. Approximately area treated is 98 m². Complete in August 1997.

26. Residence of the Japanese Consulate General, Dist. 3, HCMC

Owner: Government of Japan

Contractor: Hazama Corporation

Repair an old concrete roof where repeated repairs with membrane system failed. All existing mortar & membrane were removed and a 2 coat Xypex system was applied onto the concrete structure. A protective mortar topping for the concrete was then applied over the Xypex coating. Total area treated is 60 m². Complete in June 1997.

27. Sanyo Home Appliance Factory Phase II, Bien Hoa Industrial Zone II, Dong Nai Province

Owner: Sanyo Vietnam Home Appliances Corporation

Main Contractor: Obayashi Corporation

A 2 coat system of Xypex Concentrate and Modified applied to the roof gutters of the factory building, and the roofs of the utility buildings. Total area treated is around 1,600 m². Complete in August 1997.

28. Procter & Gamble Factory, Song Be Province

Owner: Procter & Gamble Vietnam, Ltd.

Contractor: Fluor Daniel

Construction joints are coated with 1 coat of Xypex Concentrate between pours then apply 2 coats of Xypex Concentrate to an industrial septic tank. Total area is approximately 56 m² and 12 linear meters of construction joints. Complete in July 1997.

29. Sun Wah Tower Project, 115 Nguyen Hue St., Dist. 1, HCMC

Owner: Sun Wah Group, Marubeni, & Fimexco Joint Venture Co. Ltd.

Main Contractor: Shimizu Corporation

Waterproof the 3rd floor and the roof water tank with standard Xypex 2 coat system. A competitive product is specified for this 24 story office building and already applied to the basement tanks. Because of its quality and the concern for the above grade tanks, the contractor switches to Xypex for better protection. Total area is 198 m² and 102 linear meters of joints. Complete in July 1997.



30. Tan Thuan Water Storage Tank, Tan Thuan Export Processing Zone, Dist. 7, HCMC

Owner: Tan Thuan Co., Ltd.

Contractor: Cotec Co. Enterprise No.1

Spot repaired a new 3,000 m³ water tank from the outside walls against high hydrostatic pressure. Xypex Patch 'n Plug and Concentrate are used to stop leaks by Dry-Pac method and then coat repaired areas with Xypex Concentrate at the exterior side of the tank. A later phase involved repair of critical areas inside the tank as requested by the owner. Exterior repair completed in July 1997, interior repair completed in September 1997.

31. Regency Chancellor Court, 21-23 Nguyen Thi Minh Khai St., Dist. 1, HCMC

Contractor: B+B Far East Ltd.

Subcontractor: Kiet Tuong Co. Ltd.

Leaks from balance tank at 1st floor where a liquid applied membrane system has failed in this rise residential building. Leaks are repaired from the garage below against high hydrostatic pressure with Xypex Patch 'n Plug and Concentrate. All joints sealed by Dry-Pac method. Completed in July 1997.

32. Saigon Court Apartments, 149 Nguyen Dinh Chieu St., Dist. 3, HCMC

Contractor/Applicator: Shimizu Corporation

Supply materials and provide technical direction to waterproof balcony drains from below the balcony slab. Approximately over 100 drains, materials supplied in August 1997.

33. Sun Wah Tower Project, 115 Nguyen Hue St., Dist. 1, HCMC

Owner: Sun Wah Group, Marubeni, & Fimexco Joint Venture Co. Ltd.

Contractor: Shimizu Corporation

Repair 21 linear meters of construction joints on the 1st and 2nd floor with Xypex Concentrate and Patch 'n Plug using Dry-Pac method. Complete in October 1997.

34. American Standard Factory Slip Tank, Di An, Song Be Province

Owner: Trane American Standard Co., Ltd.

Contractor: Sonadezi Bien Hoa Construction Enterprise No. 3

Spot repair on exterior wall of slip tank against water pressure using Xypex Concentrate. Complete in November 1997.

35. The Metropolitan Towers, 61 Nguyen Du St., Dist. 1, HCMC

Contractor: Vina-Leighton Ltd.

Xypex is selected to repair 4 newly waterproofed tanks of this prestigious high rise office building from the outside face of the tanks against water pressure on an total of 76.5 linear meters of cracks, construction joints, and approximately 40 tie holes. Additional works continued in sealing pressure leaks at 2 elevator pits. Complete in November 1997.

36. Fujitsu Factory Phase II Canteen Bldg., Bien Hoa Industrial Zone II, Dong Nai Province

Owner: Fujitsu Vietnam Ltd.

Contractor: Hazama Corporation

A standard 2 coat system of Xypex Concentrate and Modified is applied to the roofs of the new canteen building. 1 coat of Xypex Concentrate is applied to the toilet floors and some floor slabs of the building. Total area treated is approximately 200 m². Complete in November 1997.



37. Waste Treatment Plant, Tan Thuan Export Processing Zone, Dist. 7, HCMC

Owner: Tan Thuan Corporation

Subcontractor/Applicator: Petroleum Construction Co. (PECCO) Team No.7

Provide materials and technical support to repair various leakages against high water pressure from the exterior faces and construction joints of the 11 tanks. Xypex is selected because of PECCO's past experiences, and also Xypex's resistance to aggressive chemicals. Complete in November 1997.

38. Yazaki EDS Vietnam Wire-Harness Factory, Di An, Song Be Province

Owner: Yazaki EDS Corporation

Contractor: Obayashi Corporation

Repair an underground water tank in separate phases. Previous waterproofing using a Swiss product has deteriorated due to the low pH content of water. Work involves removing deteriorated waterproofing and defective concrete, and patched with Xypex Concentrate and Patch 'n Plug. After patching, apply a 2 coat system of Xypex Concentrate and Modified over the entire surfaces. Total area treated is approximately 233 m² and 85 linear meters of construction joint. Complete in December 1997.

39. Water Supplying Plant, Amata Industrial Park, Bien Hoa, Dong Nai Province

Owner: Amata (Vietnam) Company Limited

Design Consultant: Bechtel

Contractor/Applicator: 394 Construction Company

Supply material and technical guidance to repair subterranean construction joints of the two 2,500 m³ water tanks against high hydrostatic pressure. Total area repaired is approximately 160 linear meters of construction joints. Complete in January 1998.

40. International Business Center/Diamond Plaza, 34 Le Duan St., Dist. 1, HCMC

Owner/Contractor: Posco Engineering and Construction Co., Ltd.

Waterproof the screen wall coves along diaphragm walls, a septic tank, 3 water tanks, 2 elevator pits, and 1 electrical vault at the basement of a 22 story office, residential, & commercial mix use complex. Defective concrete of the tanks is repaired with Xypex Patch 'n Plug and Xypex Concentrate. Large cavities are filled with new 2:1 concrete mix before applying the standard 2 coat Xypex system. Total area treated is approximately 4,800 m². Complete in January 1998.

41. Tower Tank, Amata Industrial Park, Bien Hoa, Dong Nai Province

Owner: Amata (Vietnam) Company Limited

Design Consultant: Bechtel

Contractor: Genral Construction Co. No. 6 (CIENCO 6)

Xypex is selected by Bechtel to waterproof a tower tank 27 meters above the ground. Defective concrete is chipped out and repaired with a coat of Xypex Concentrate followed by patching with 2:1 cement mortar before a 2-coat system of Xypex Concentrate & Modified is applied. Total area is approximately 350 m². Complete in February 1998.

42. Tokyo Flex Project, Tan Thuan Export Processing Zone, Dist. 7, HCMC

Owner: Tokyo Flex Co.

Contractor/Applicator: Shimizu Corporation

Provide materials and technical support to waterproof 239 m² of the concrete roofs of this factory. Complete in January 1998.



43. Swimming Pool, Thu Dau Mot Park, Binh Duong Province

Owner: Thu Dau Mot Park Board of Management

Contractor: Hoc Mon House Development Co.

Repair perimeter walls of a swimming pool where there are serious leaks due to defective concrete pours. All defective concrete is removed, and patched with Xypex Concentrate and Patch 'n Plug. A 2 coat system of Xypex Concentrate and Modified is applied over the repaired walls. Total area repaired is approximately 170 m² and 80 linear meters of construction joints. Complete in February 1998.

44. International Business Center/Diamond Plaza, 34 Le Duan St., Dist. 1, HCMC

Owner/Contractor: Posco Engineering and Construction Co., Ltd.

After successful repair and waterproof of the basement, Xypex is awarded the above ground portion of this 21 story residential, office and commercial mix-use project. The areas include exterior slabs, entrances, toilets, bathrooms, and mechanical rooms. Total area is about 3,350 m². Complete in 1998.

45. Saigon Singapore Investment Project, 25 Nguyen Hue Blvd., Dist. 1, HCMC

Owner: Saigon Singapore International Joint Venture Co., Ltd.

Contractor: Bachy Soletanche Group

Repair leaks at diaphragm walls, water tank, and a septic tank in a newly constructed basement of a 20-story office building currently under construction. All defective concrete and cracks are routed out and plug with Xypex Concentrate and Patch 'n Plug, then coated with a 2 coat system of Xypex Concentrate and Modified. Areas with extensive cavities are filled with new concrete mix at 2-part cement to 1 part sand with a 2 % dosage of Xypex Concentrate Admix C-2000. Total area treated is approximately 300 m² and 70 linear meters of construction joints. Complete in June 1998.

46. Rohto Mentholatum Factory, Vietnam Singapore Industrial Park, Song Be Province

Owner: Rohto Mentholatum (Vietnam) Co., Ltd.

Contractor: Hazama Corporation

Xypex is selected to waterproof the concrete structures in this project including HT room roof, cable pit, oil treatment pit, pH treatment pit, fire hydrant pit, factory roof, guard house roof, pump room roofs, and toilet areas. Total area is approximately 1,400 m² and 660 linear meters of construction joints. Complete in June 1998.

47. Binh An Water Supplying Plant, Thuan An, Song Be Province

Owner: Binh An Water Corporation Ltd.

Consultant: SMHB Sdn.Bhd Consulting Engineers

Contractor: 59th Company of Ministry of Defense

Xypex is selected by the Consultant to repair about 68 linear meters of shrinkage crack at the wash-out channels' and filter tank's concrete walls. The repair is performed by the contractor with VHH's technical support. Complete in March 1998.



48. CFT-SCR-2000 Project, Bien Hoa Industrial Zone I, Dong Nai Province

Owner: Vietnam Copper Wire Corporation (Cadivi)

Contractor: Obayashi Corporation

Xypex is selected to waterproof this factory's casting water treatment tank, casting return tank, raw water treatment tank, casting waste treatment tank, process cool/process hot tanks, fire fighting tank, and a roof gutter. Total area is about 730 m² & 221 linear meters of joints. Completed in August 1998

49. Sanyo Home Appliance Factory Phase I, Bien Hoa Industrial Zone II, Dong Nai Province

Owner: Sanyo Vietnam Home Appliances Corporation

Main Contractor: Obayashi Corporation

Leak of a bitumen waterproofed water tank was repaired using popular Swiss products without success. Xypex was selected to repair 6 m² of concrete wall and 5 linear meters of construction joint against high hydrostatic pressure with 100% success. Complete in September 1998.

50. Ocean Place, 80 Dong Du St., Dist. 1, HCMC

Contractor: Transfield Construction Ltd.

Repair a construction joint in the fuel storage tank against high hydrostatic pressure and seal leaks at construction joint along a capping beam. About 12 meters of joints treated. Complete in August 1998.

51. Omni Saigon Hotel, 251 Nguyen Van Troi St., Phu Nhuan Dist., HCMC

Owner: Omni Saigon Hotel

Contractor: Shimizu Corporation

Xypex is selected to repair a leaking planter box at the swimming pool deck. Existing mortar and waterproofing of the planter interiors were removed and applied with a 2:1 cement mortar dosed with 3% Xypex Concentrate Admix C-2000 per the weight of cement, mixed with a 6:1 solution of Xycrylic Admix for better adhesion and flexural strength. A standard 2 coat Xypex system is applied over the new concrete cover and all joints sealed with Xypex Concentrate Dry-Pac. Total area treated is approximately 71 m² and 74 linear meters of joints. Works completed September 1998.

52. The Metropolitan Towers, 61 Nguyen Du St., Dist. 1, HCMC

Contractor: Vina-Leighton, Ltd.

Repair an elevator pit wall against hydrostatic pressure. Seal construction joint leaks along the septic tank, and the pressure release shaft at stair. Repair construction joints in boiler room at basement level 2, and seal leaks at the knockout panel joints at basement level 1. Total area treated is approximately 41 m² and 55 linear meters of joints. Complete in June, August, and October 1998.

53. Thuan Kieu Plaza, 190 Hung Vuong St., Dist. 5, HCMC

Owner: Kings Harmony (H.K.) Ltd.

Contractor: China State Construction Engineering Corporation

Select by the owner's consultant to seal a leaking basement expansion joint and several escalator & elevator pits. The leaks at the expansion joints were plugged with Xypex Patch 'n Plug followed by Xypex Concentrate Dry-Pac initially to create a dry condition for cleaning. After the joints are cleaned, Prime Flex 900LVSF (a liquid hydrophilic polyurethane resin which can expand up to 700% to create a permanent flexible foam seal that will not fail in the absence of water) activated oakum is installed & plugged with cement mortar mixed with 3:1 solution of Xycrylic Admix to create a flexible pressured seal. 2 escalator pits & 1 elevator pit are waterproofed with a standard 2



coat system of Xypex Concentrate and Modified. Total area treated is approximately 156 m², 34 linear meters of construction joints, and 21 linear meters of expansion joints. Works complete in October 1998.

54. Gen Pacific Office Building, 391A Nam Ky Khoi Nghia St., Dist. 3, HCMC

Owner: Gen Pacific Co., Ltd.

Remove existing mortar topping and apply a standard 2 coat system of Xypex on the concrete roof, then finished with a 50mm thick mortar topping. Total area is 388 m², complete in December 1998.

55. Pou Yuen Shoe Factories, Tan Tao Export Processing Zone, Binh Chanh Dist., HCMC

Owner/Contractor: Pou Yuen Vietnam Enterprise Ltd.

Supplied materials and technical instructions for factory buildings be applied to toilets, slabs, and roofs. Quantity supplied is 100 pails for year 1998, 100 pails for year 1999, and 100 pails for year 2000. Total estimated coverage is approximately 6,277 m² (for 02 coats) or 10,200 m² (for 01 coat).

56. Tan Thuan Water Storage Tank, Tan Thuan Export Processing Zone, Dist. 7, HCMC

Owner: Tan Thuan Co., Ltd.

Contractor: Water & Sewerage Construction Co. (WASECO)

Supply material and technical support to spot repair 100 linear meters of construction joints of a new 3,000 m³ water tank from the inside. Complete in October 1998.

57. Vietnam Gas Utilization Project, Dinh Co, Ba Ria-Vung Tau Province

Owner: PetroVietnam Gas Project Management Board

Contractor: Samsung Engineering Co., Ltd.

Subcontractor: PetroVietnam Gas Project Development Center

Existing mortar and insulation at the roof of the Control Building and part of the Office Building are removed and waterproofed with a 2 coat system of Xypex Concentrate and Modified. Due to tight schedule allowance, repair and treatment of cracks and construction joints are done during the day while coating of large surfaces are carry out at late afternoons through evenings. The insulations and protection mortar are then reinstalled by the subcontractor upon completion of the waterproofing work. Total quantity is approximately 350 m² and 144 meters of cracks & construction joints. Complete in December 1998.

58. Yamaha Motor Factory, Hanoi

Owner: Yamaha Motors Vietnam

Contractor: Shimizu Corporation

Supply Xypex Concentrate to waterproof a 154 m² roof gutter per contractor's request in 1998.

59. Procter & Gamble Factory Septic Tank, Song Be Province

Owner: Procter & Gamble Vietnam Co., Ltd.

Contractor: Sonadezi Bien Hoa Construction & Design Enterprise No. 1

Spot repair a new 50 m³ septic tank from the inside. Honeycombings and faulty construction joints was routed out to sound concrete and coated with Xypex Concentrate. Complete in April 1999.



60. Omni Saigon Hotel Roof Gutters, Phu Nhuan District, HCMC

Owner: Omni Saigon Hotel

Contractor: Shimizu Corporation

Repair roof gutters. Existing mortar and previous bitumen waterproofing are removed and coated with 2 coats of Xypex Concentrate. A layer of mortar topping is then applied to provide thermal protection to the concrete gutter. Complete in April 1999.

61. Bien Hoa II Industrial Park Waste Treatment Plant, Bien Hoa, Dong Nai Province

Owner/Contractor: Sonadezi Bien Hoa Construction & Design Enterprise No. 1

Supply material and technical support to repair construction joints and honeycombing of the main tank in April 1999.

62. Nomura-Haiphong Industrial Zone Final Setting Tank, Anhai District, Haiphong City

Contractor: Obayashi Corporation

VHH is selected to repair cracks at the final setting tank of the water treatment plant. Cracks are repaired with Xypex Concentrate by Dry-Pac method. Total repair is 48 linear meters of cracks. Works completed May 1999.

63. Omni Saigon Hotel Leak Repairs, Phu Nhuan District, HCMC

Contractor: Shimizu Corporation

Repair miscellaneous leaks at the ceiling of various guest rooms where a bitumen waterproofing system at the roof has failed. Also, repair bottom of balancing tank from the ceiling of the executive office without interrupting the office operations. Xypex Patch 'n Plug is used to plug running leaks, cracks are repaired with Xypex Concentrate Dry-Pac. 2 coats of Xypex Concentrate applied before patching with cement mortar. Works completed September & November 1999.

64. Nomura-Haiphong Industrial Zone Drainage Channel, Anhai District, Haiphong City

Contractor: Obayashi Corporation

VHH is selected to seal 140 linear meters of expansion joints against water leak at the storm drainage channel. Initial use of Prime Flex 900LVSF, a hydrophilic polyurethane resin, applied per Activated Oakum Method by inserting into the expansion joints failed due to aggressive site water which caused the flexible resin materials to disintegrate. A re-installation using PVC waterstops and new concrete dosed with 2% Xypex Admix C-2000 proved successful. Works completed January 2000.

65. Ramada Hotel Roof Tank, District 1, HCMC

Contractor: Construction Company No. 1 (COFICO)

Xypex system is selected to repair several locations at the bottom of the roof tank. Repair is executed from the ceiling at the lower floor against hydrostatic pressure. Cracks are sealed with Xypex Patch 'n Plug, followed with Xypex Concentrate Dry-Pac. The spot repaired area is then coated with 2 coats of Xypex Concentrate. Total repair is approximately 14 m². Works completed October 1999.

66. Hi-Lex Project, Nomura-Haiphong Industrial Zone, Km 13, Haiphong City

Contractor: Obayashi Corporation

Waterproof a subterranean fire fighting tank and a cooling water tank with the standard Xypex 2 coat applications. Works completed December 1999.



67. Private Residence, 164A Dien Bien Phu St., Dist. Binh Thanh, HCMC

Owner: Mr. Nguyen, Duy Hung

Repaired defective concrete and waterproofed a swimming pool with standard Xypex 2 coat system. Total area treated is 54m², completed end of December, 1999. Additional works to re-waterproof over 300 m² of roof, s terraces, & planters previously waterproofed by a Swiss product. Over 12~18cm thick mortar was removed and a 2 coat Xypex system is applied. Works completed in December 2000.

68. Que Huong Hotel Basement Leak Repairs, 167 Hai Ba Trung St., Dist. 1, HCMC

Designer/Contractor: Architect Construction South Association Ltd. (ACSA-Office No.42)

New interior finishes at masonry wall coves and masonry wall around a basement storm drainage tank were damaged by leaks. The repairs employ continuous pumping of water and chipping the mortar of masonry wall in small sections then plugged with Xypex Patch 'n Plug and Xycrylic Admix. After leaks were controlled, a 20mm thick layer of 2:1 mortar of Xypex Patch 'n Plug, dosed with 2% Xypex Admix C-2000 and mixed with 3:1 Xycrylic Admix solution was applied over the masonry wall as the 1st line of waterproofing. After the mortar was set, Xypex Concentrate Dry-Pac was applied around the perimeter of the mortar before pouring a new 5~7cm thick concrete wall and coves dosed with 2% Xypex Admix C-2000 as the main waterproofing. Works completed in February 2000.

69. Vedan Fermentation Factory, Phuoc Thai Ward, Long Thanh Dist., Dong Nai Province

Contractor: Erection & Construction Material Co.

Owner: Vedan Fermentation Factory

Supply Xypex Concentrate and Xypex Patch 'n Plug with technical support to repair leaks at a septic tank against negative hydrostatic pressure at construction joint and honeycombings. Works complete in February 2000.

70. OPV Pharmaceutical Factory, Bien Hoa IZ II, Dong Nai Province

Contractor: Sonadezi Construction Shareholding Co.

Xypex is specified and supplied to the contractor for all water tanks, oil tank, and septic tank after the Owner's careful survey of all available waterproofing products in Vietnam. Total tank area treated is approximately 600 m². Complete in April 2000.

71. Dau Tieng Reservoir / Dam, Tay Ninh Province

Owner: Dau Tieng Reservoir Board of Directors

Designer: Hydraulic Engineering Consultants No. 2

Contractor/Applicator: Construction Co. No. 43

After successful trial repair in 1997, Xypex is specified and supplied with technical support to waterproof approximately 400 m² of the upstream discharge chamber of the dam after its deteriorated concrete is repaired with shotcrete. Works started late June, complete in July 2000.

72. Garden View Court Basement, 53 Thu Khoa Huan St., Dist. 1, HCMC.

Contractor: Ohki Corporation

Construction joints waterproofed with bentonite waterstop has failed under high water pressure after heavy rains. Xypex is selected to spot repair construction joints and honeycombings of the basement walls and slabs. Initial quantity is 16 linear meters of construction joints and 12 m² of honeycombings. Works complete in June 2000.



73. Yazaki EDS Factory Expansion, Song Than IZ, Di An, Binh Duong Province

Owner: Yazaki EDS Corporation

Contractor: Obayashi Corporation

Standard 2 coats of Xypex is selected to waterproof the septic tank and 2 concrete roofs. The total area treated is 534 m² with 260 linear meters of construction joints, without installation of waterstops for the tank, and 450 m² for the roofs. Works complete in July, and August 2000 respectively.

74. Daisin Vietnam Factory, Bien Hoa IZ II, Dong Nai Province

Contractor: Obayashi Corporation

Standard 2 coats of Xypex is selected to waterproof the waste and water treatment plants, grease traps, and waste pits. Total quantity is approximately 1,120 m² with 514 linear meters of construction joints without any installation of waterstops. Works complete in August 2000.

75. Meiwa Vietnam Factory, Bien Hoa IZ II, Dong Nai Province

Contractor: Obayashi Corporation

Standard 2 coats of Xypex is applied to roof gutters, and planter boxes. Total area treated is 168 m² and 152 linear meters of fillet at coves. Works complete in September 2000.

76. Ohmi Electric Wire - Factory 3, Tan Thuan EPZ, Dist. 7, HCMC

Contractor: Kajima Overseas Asia Pte Ltd.

Standard 2 coats of Xypex is applied to elevator and hoist pits. Total area treated is 69 m² without construction joints. Works complete in November 2000.

77. Yazaki EDS Wire-Harness Factory Phase 1, Song Than IZ, Di An, Binh Duong Province

Owner: Yazaki EDS Corporation

Contractor: Obayashi Corporation

After repeated repairs of the membrane at the Phase 1 office roof and gutter, Xypex is selected to rehabilitate the whole roof. The decision to use Xypex, in addition to its waterproofing, is the system offers protection to the concrete roof which has many shrinkage cracks under thermal stress due to its 43 meter length. The membrane and protection concrete topping is removed, all cracks repaired by Dry-Pac method and a 2 coat system of Xypex Concentrate applied. Total area is approximately 925 m². Works complete in February 2001.

78. Dau Tieng Reservoir / Dam Negative Repair, Tay Ninh Province

Owner: Dau Tieng Reservoir Board of Directors

Designer: Hydraulic Engineering Consultants No. 2

Contractor/Applicator: Construction Co. No. 43

After successful waterproofing the upstream discharge chamber, Xypex is again specified and supplied with technical support to repair the downstream side of the dam against high hydrostatic pressure. Xypex Patch'n Plug is used to plug up running leaks before filling with Xypex Concentrate Dry-Pac. Total of 335.5 kg of Xypex Concentrate and 45.5 kg of Xypex Patch 'n Plug supplied in July 2001.



79. Cora Supermarket Waste Water Treatment Plant, An Lac, Binh Chanh District, HCMC

Contractor: *General Construction Company No. 1 (COFICO)*

After repeated repairs to the interior waterproof membrane of the tanks proved useless, Xypex is called upon after other waterproofing companies failed to stop the leaks. 16 meters of defective construction joints and 10 m² of honeycombings were repaired against negative pressure from exterior at initial phase, and complete with 100% success in May 2001.

80. Hong Ngu Reservoir, Hong Ngu City, Dong Thap Province

Owner: *Dong Thap Construction Management Board*

Contractor: *Water Construction Co. Ltd. (WACO)*

Supply material and technical support to repair leaks a newly constructed reservoir. This reservoir is for water supply to the Dong Thap Province. Complete in August 2001.

81. Cora Supermarket Waste Water Treatment Plant, An Lac, Binh Chanh District, HCMC

Contractor: *General Construction Company No. 1 (COFICO)*

After successful repair from the exterior, Xypex was called upon again to help remedy leaks at another side of the tank. Due to access restriction to repair from the exterior, the tank was emptied to allow repair from the internal. All existing mortar and waterproofing was removed and Concentrate was coated onto chipped concrete. 16 meters of defective construction joints and 80 m² of wall was repaired and complete in October 2001.

82. Hue Nghe PVC Pipe Factory, 35 Trieu Quang Phuc St, Dist. 5, HCMC

Owner: *Mr. Vuong Hong Quang*

Supply material and provide technical support to waterproof 4 new water tanks located on the roof and the 4th floor. The Owner is determined to use the best material available on the market for these above grade tanks that will be used for the production of PVC pipes. Total area treated is approximately 240 m². Complete in September and November 2001.

83. Roof Top Swimming Pool, 36/1C Lam Son St., Binh Thanh Dist., HCMC

Owner: *Ms. Kieu Anh*

After repeated repairs of the roof top swimming pool, the Owner decided to re-waterproof the pool with a reliable material and selected Xypex. Existing mortar and the original bituminous waterproofing was totally removed to sound concrete. A 2 coat system of Xypex Concentrate was applied then water tested for a week before reinstalling the tiles. Total area treated was approximately 40 m², complete in November 2001.

84. Futaba Factory Water Tanks, Tan Thuan Industrial Zone, Dist. 7, HCMC

Contractor: *General Construction Co. 34, HACC*

Main Contractor: *Shimizu Corporation*

Xypex is selected to waterproof 2 water tanks at this new factory. A two coat application of Xypex Concentrate is applied to the walls, and bottom slabs of the tanks. All construction joints are sealed with Xypex Concentrate Dry-Pac. Complete in February 2002.



85. Yazaki Hai Phong Vietnam Factory, Nomura-Hai Phong Industrial Zone, Hai Phong City

Owner: Yazaki EDS Corporation

Contractor: Obayashi Corporation

Waterproof a septic tank, a water tank, and a roof gutter at this new factory. Total quantity of work is approximately 262 m² and 190 linear meters of construction joints. All construction joints are sealed with Xypex Concentrate Dry-Pac in place of waterstops. Complete in April 2002.

86. Yutex Factory Water Tank, Song Than Industrial Park, Binh Duong Province

Contractor: Trung Dung Construction Co., Ltd.

Supply material and technical support to repair cracks and water leakage against strong hydrostatic pressure at a new tank that was waterproofed with a popular German product. Repair complete in September 2001 with excellent results.

87. OPV Pharmaceutical Factory, Bien Hoa II Industrial Park, Dong Nai Province

Contractor/Applicator: Sonadezi Construction Shareholding Co.

Supply material for waterproofing a water treatment tank at this factory. Complete in March 2002.

88. Uni-President Factory Phase III, Song Than II Industrial Park, Binh Duong Province

Owner: Uni-President Vietnam

Quality Control: Mr. Chin, Yung Kun, Director of Uni-President Const. Eng, Division

Contractor: Architect & Construction Service Co. (ACSC)

Xypex is directly appointed by Mr. Chin for waterproofing the basement of this phase after experiencing failures and continuous repairs using other products for the Phase I & II of the factory. Due to the request of the Owners to minimize finishing of the interior, the slabs are applied by pouring the Concentrate slurry onto mud slab 24 hours prior to pouring the concrete slab, all walls and construction joints are applied from the exterior. All construction joints are sealed by Xypex Concentrate Dry-Pac without the installation of waterstops, and the settlement joints are sealed with Xypex Dry-Pac together with Xypex FCM 40 (Xypex's hi-tech flexible cementitious membrane). Total quantity is approximately 750 m² and 147 linear meters of construction and settlement joints. Complete in October 2002.

89. Central Plaza & Sofitel plaza Saigon Hotel, 17 Le Duan Blvd., Dist. 1, HCMC

Owner: Plaza Hotel Joint Venture Co.

Leaks from rain have seep under the plaster at the exterior forbidding continuation of maintenance painting to the exterior walls. 390 linear meters of crack, and 104 m² of exterior plaster at the top of the perimeter parapet walls were repaired. After the repair completed in August, 2002, the paint resume after the exterior wall moisture is resolved.

90. Yazaki EDS Vietnam Factory-1 -My Phuoc Branch, My Phuoc I.P., Binh Duong Province

Owner: Yazaki EDS Corporation

Contractor: Obayashi Corporation

Waterproof a subterranean water tank at this new factory. Total quantity is approximately 277 m² and 53 linear meters of construction joints. Complete in November 2002.



91. Tsai Factory, Amata Industrial Park, Bien Hoa City, Dong Nai Province

Contractor: Taisei Corporation & Vinaconex Joint Venture

Xypex is selected to waterproof approximately 40 m² of concrete surface and 15 meters of construction joints of a mechanical pit. Complete in July 2002.

92. Yazaki EDS Vietnam Factory-2 -My Phuoc Branch, My Phuoc I. P., Binh Duong Province

Owner: Yazaki EDS Corporation

Contractor: Obayashi Corporation

Waterproof a septic tank, office roof, and gutters at this factory. The septic tank was sealed with Xypex Concentrate Dry-Pac without the use of waterstops. Total quantity is 783 m², 299 meters of construction joints, and 108 meters of fillet. Complete in November 2002.

93. Canon Vietnam Factory, Thang Long I. P., Hanoi City

Contractor: Obayashi Corporation

Repair negative leaks and waterproofed AC drain pit, gutters at the canteen and link corridors were also repaired. These areas were waterproofed previously with a bituminous & polyurethane membrane. Xypex was selected because the original waterproof system can not repair the leaks since it can not withstand the water pressure and suitable for use on wet surfaces. Total quantity is 156 m² and 63 meters of construction joints. Complete in October 2002.

94. Tsuchiya TSCO Vietnam Factory, Vietnam Singapore I. P., Binh Duong Province

Contractor: Shimizu Corporation

Sub-Contractor: General Construction Co. No. 34 (HACC)

Waterproof a water tank that was also built without using waterstops at the construction joints. Xypex Concentrate Dry Pac is used to seal the construction joints. Total quantity is 174 m² and 77 meters of construction joints. Complete in December 2002.

95. Private Residence, 943 Nguyen Trai St., Dist. 5, HCMC

Owner: Mrs. Nguyen Thi Lan

Roof, terrace, bathrooms, balconies, planters and exterior wall joints of this house were waterproofed with Xypex Concentrate and FCM. Total quantity is 215 m² and 248 meters of fillets. Complete in January 2003.

96. Yupoong Factory, Long Binh I. P., Bien Hoa City, Dong Nai Province

Contractor: Sonadezi Construction Shareholding Co. - Sonacons

Waterproof a water tank. Total quantity is 164 m² and 39 meters of construction joints. Complete in December 2002.

97. Saigon Industrial Commercial Bank (Incombank), 2C Pho Duc Chinh St., Dist. 1, HCMC

Contractor: Construction Company No. 1 (COFICO)

Waterproof the basement, water tank, elevator pit, and a roof water tank. The tanks were constructed without using waterstops at the construction joints. Total quantity is 545 m² and 190 meters of construction joints. Complete in March 2003.

98. Lien Thanh Seafood Processing Factory, Binh Thanh District, HCMC

Owner: Lien Thanh Seafood Processing Joint Stock Company

Design Consultant: Chan Phuong Engineering Co. (CPE)

Contractor: Nam Son Construction Company

A concrete tank that is designed for holding fish sauce, located next to the Saigon River near the Binh Trieu Bridge was experiencing leakage. Water was seeping into the tank after it is completed due to extreme high water pressure. Xypex was selected by the designer to stop the leaks and waterproof the tank against negative hydrostatic pressure. Total quantity is 48 m² and 13 meters of construction joints. Complete in April 2003.

99. Syndyne Vietnam Factory, Bien Hoa I. P., Bien Hoa City, Dong Nai Province

Contractor: Sonadezi Construction Shareholding Co. - Sonacons

Waterproof a water tank. Total quantity is 153 m² and 68 meters of construction joints. Complete in June 2003.

100. Office & Commercial Center, 208 Nguyen Trai St., Dist. 1, HCMC

Contractor: Construction Company No. 1 (COFICO)

The basement slab, walls, water tank, water treatment tank, elevator pit, and construction joint at the foundation slab were waterproofed with Xypex Concentrate coatings and Dry Pac. Xypex Admix C-2000 at 2% dosage was used for 40 m³ of concrete at the perimeter foundation beams. Estimated quantity for the basement is approximately 1,600 m² and 465 meters of construction joints. Work complete in July 2003.

101. Mijin Factory, Tam Phuoc I.P., Long Thanh, Dong Nai Province

Contractor: Da Nang Construction Co.-HCMC Branch

Supply and provide technical support to waterproof subterranean water tank. Total quantity is 400 m² and 80 meters of construction joints. Complete in August 2003.

102. Tomiya Summit Garment Factory, Loteco I.P., Dong Nai Province

Contractor: Obayashi Corporation

Waterproof roofs of office, canteen, guard house and factory gutters. Total quantity is 1,170 m² and 360 meters of construction joints. Complete in August 2003.

103. Takako Vietnam Factory, Vietnam Singapore I.P., Binh Duong Province

Contractor: Obayashi Corporation

Waterproof a septic tank, a fire water tank, roof gutter and toilets. Total quantity is 200 m² and 100 meters of construction joints. Complete in September 2003.

104. Ching Luh Shoes Factory, Thuan Dao I. P., Long An Province

Contractor: Architects & Construction Service Co. – ACSC

Waterproof a water treatment tank and a water tower tank. Total quantity is 420 m² and 160 meters of construction joints. Complete in August 2003.

105. Yazaki Vietnam Factory, Song Than Industrial Zone, Binh Duong Province

Contractor: Obayashi Corporation

Waterproof roof gutters and drain pipes. Total quantity is 115 m² and 143 fillets. Complete September 2003.



106. Vinex Factory, My Phuoc I. P., Binh Duong Province

Contractor: Thien Nam Construction Co.

Waterproof a water tank, office roof, and toilet slabs. Total quantity is 141 m². Complete in December 2003.

107. Bluescope Steel Factory, Phu My I Industrial Zone, Ba Ria-Vung Tau Province

Contractor: Leighton Contractors Asia (Vietnam) Ltd.

Xypex is selected by the Owner's consultant to waterproof the basement pits and water tanks for this project with an estimated quantity of 2,919 m². The decision to use Xypex is its capability to be applied during rainy conditions and can be backfilled immediately after 36 hours of moist curing. Work commence on the basement pits in April, 2004 with additional works to complete in consecutive phases before the end of December 2004.

108. Showa Glove Factory, Vietnam Singapore I.P., Binh Duong Province

Contractor: Obayashi Corporation

Xypex is again selected to waterproof and protect all water tanks, a water treatment plant, and a waste treatment plant of the factory. Total area is approximately 2,400 m² with 7,054 tie holes, and 694 meters of construction joints. All construction joints are sealed by Xypex Concentrate Dry-Pac method without use of waterstops. Work to commence in May, and complete by July 2004.

109. Buon Ma Thuot Sanitation Sub-Component, Buon Ma Thuot City, Dak Lak Province

Design Consultant: Carl Bro als

Contractor: Per Aarsleff A/S

Subcontractor/Applicator: Tan Viet Tin Construction Co.

Xypex is selected by the design consultant to supply and provide technical support to coat approximately 1,500 m² surface of 15 concrete structures in this sanitation project. Xypex is selected for its reputation in concrete protect against harsh environment. Work complete in July 2004

110. Grobest & Imei Industrial (Vietnam), Bien Hoa I. P.2, Bien Hoa City, Dong Nai Province

Contractor: Architect & Construction Service Co. No. 2 (ACSC)

The 1st equipment pit under high hydrostatic pressure was just completed using a competing cementitious membrane, serious leaks occurred throughout the whole system causing flood in the basement. After repairing with other competing cementitious waterproofing products without success, Xypex was called upon and immediately sealed the leaks then re-waterproof the whole basement. Total quantity is approximately 570 m² and 250 meters of construction joint, completed August 2004. Following the successful repair of the 1st basement, the 2nd basement was awarded to Xypex. Total quantity for the 2nd basement is approximately 650 m² and 250 meters of construction joints, complete in April 2004.

111. Dau Tieng Hydro-Power Station, Duong Minh Chau Hamlet, Tay Ninh Province

Owner: Dau Tieng Reservoir Board of Directors

Owner: Tien Giang Joint Stock Investment & Construction Co.

Contractor: Thanh Nghiep Construction Co. Ltd.

Repair leaks along construction joints at the turbine discharge tunnel. All construction joints are sealed by Xypex Concentrate Dry-Pac method without use of waterstops. Total quantity is 100 m² and 150 meters of construction joints, complete in December 2004.

112. Private Residence, 37-39 Chau Van Liem St., Dist. 5, HCMC

Owner: Mr. Tran Thanh Tuan

Waterproofed the basement, roof, gutters, terrace, toilets, and an elevator pit. Total quantity is approximately 898 m² and 132 construction joints. Complete December 2004.

113. Grobest & Imei Industrial Factory, Bien Hoa I.P. 2, Bien Hoa City, Dong Nai Province

Main Contractor: Architect & Construction Service Co. No. 2 (ACSC)

After successful repair of the equipment pit in Phase 1 construction, Xypex wins the confidence of the client and was awarded the waterproofing job for the 2 pits of Phase 2. A two-coat system of Xypex Concentrate was coated on the wall and slab of the pits and Xypex Concentrate Dry-Pac was used to seal all construction joints. Total quantity is approximately 700 m² and 100 meters of construction joint. Work complete in October 2004.

114. Takako Factory Phase 2, Vietnam Singapore Industrial Zone, Binh Duong Province

Contractor: Obayashi Corporation

Waterproof the Fire Fighting Tank, Production Water Tank, Cooling Tank, Grease Trap and gutter. All construction joints are sealed by Xypex Concentrate Dry-Pac method without the installation of waterstops. Total quantity is approximately 144 m² and 52 linear meters of construction joints. Complete in April 2005.

115. NOK Vietnam Factory, Amata Industrial Park, Dong Nai Province

Contractor: Obayashi Corporation

Waterproofed the Water Tanks, Septic Tank, Sump Pits, Water & Waste Treatment Tank, and 2 toilets. Total quantity is approximately 650 m² and 250 linear meters of construction joints. All construction joints are sealed by Xypex Concentrate Dry-Pac method without the installation of waterstops. Completed May 2005.

116. Maruei Vietnam Factory, Vietnam Singapore Industrial Park, Binh Duong Province

Contractor: Obayashi Corporation

Waterproofed a septic tank, toilet, and a good lift pit. Total quantity is approximately 103 m² and 45 linear meters of construction joints. All construction joints are sealed by Xypex Concentrate Dry-Pac method without the installation of waterstops. Completed May 2005.

117. Miss Ao Dai Department Store, 21 Nguyen Trung Ngan St., Dist. 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Tien Phong Design Consultant & Architecture Ltd.

Owner: Trung Thuy Co. Ltd.

Xypex is hand picked by the Owner after careful research of various waterproofing products for the basement of this 18-story high rise commercial building. Total quantity is approximately 1,400 m² with over 200 linear meters of construction joints for the basement walls, slabs, water tank and elevator pits. Work complete in August 2005.

118. Kondo Vietnam Dye Factory, My Phuoc Industrial Zone, Binh Duong Province

Contractor: Obayashi Corporation

Waterproofed Air Filter Room, Air Washer Room, Underground Air Ducting, Water Tank, and Septic Tank. Total quantity is approximately 1,000 m², 700 tie holes, and 1,100 linear meters of construction joints. Works complete in August 2005.



119. My Phu Hung Office Building, 102 Cong Quynh St., Dist 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex was recommended to the Owner after the Contractor observed the result of Xypex at the Ao Dai Department Store. Xypex is used to plug all water leaks at the lean concrete slab and wall in order to allow the placement of the foundation slab and walls. Total quantity is approximately 1,400 m² with over 200 linear meters of construction joints. Works complete in November 2005.

120. Kondo Vietnam Dye Factory, My Phuoc Industrial Zone, Binh Duong Province

Contractor: Obayashi Corpoartion

Xypex's Concentrate 2 coat system is selected to waterproof toilets, roof, guardhouse, and water tank at this factory. Total quantity treated is 1,200 m², 300 meters of fillet, and 500 meters of construction joints. Work complete in December 2005.

121. Meiwa Vietnam Factory, Dong Nai Province

Contractor: Obayashi Corpoartion

Xypex's Concentrate 2 coat system is again selected to waterproof a water tank, and toilets. Total quantity is 130 m², 22 meters of fillet and 30 meters of construction joint. Complete in December 2005.

122. Uni-President Factory, My Tho Industrial Park, Tien Giang Province

Owner: Uni-President Vietnam

Construction Inspector: Mr. Chin Yung Kun

Contractor: Architect & Construction Service Co. No. 2 (ACSC)

Due to successful waterproofing of Uni-President's factory in Song Than Industrial Zone, Xypex is selected by the Owner to waterproof the basement of this production plant. Total quantity is 1,500 m² for the walls and slab, 250 meters of construction joint and 3,660 tie holes. Work complete in February 2006.

123. Luxurious Villa, 704 24th Street, An Phu, Au Khanh, District 2, HCMC

Owner: Mr. Phan Tien Dung

Xypex is selected by the Qwner to waterproof the basement, terrace, and bathrooms. Total area treated is 200 m² and 300 meters of construction joints. Work complete in March 2006.

124. Residential Villa, 42 Nguyen Chi Thanh, District 10, HCMC

Owner: Mr. Le Minh Duc

Xypex 2-coat system is selected to waterproof a basement, planters, balconies, roof gutters, bathrooms, swimming pool, and roof garden. Total area treated is approximately 650 m², 300 meters of fillet cove, and 165 meters of construction joint. Complete in November 2006.

125. Uni-President Factory, My Tho Industrial Park, Tien Giang Province

Owner: Uni-President Vietnam

Construction Inspector: Mr. Chin Yung Kun

Contractor: Architect & Construction Service Co. No. 2 (ACSC)

Continue to waterproof a potable water tank, a septic tank and a grease trap. Total quantity is 1,200 m² for the walls and slab, 400 meters of construction joints and 4,500 tie holes. Project complete in March 2006.



126. Daiwa Vietnam Factory, Tan Thuan Industrial Zone, District 7, HCMC

Contractor: Obayashi Corporation

Xypex is selected to waterproof the water tank and the water treatment plant of this factory. Total quantity is 200 m² and 90 meters of construction joint. Complete in April 2006.

127. Office Building, 14 Thai Van Lung St., District 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected to waterproof the basement, water tank, septic tank and elevator pits of this building after the Contractor experience the success at the My Phu Hung Office Building. Total quantity is 450 m² and 60 meters of construction joint. Project complete in April 2006.

128. Sakata Vietnam Factory, Vietnam Singapore Industrial Park, Binh Duong Province

Contractor: Obayashi Corporation

Xypex is selected to waterproof the water tank, and the water treatment plant. Total quantity is 500 m², 1,100 tie holes, and 200 meters of construction joint. Completed in August 2006.

129. Office Building, 8A Thai Van Lung St., District 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

After continuing success with previous projects, Xypex is again selected for this project. The basement is coated with a 2-coat system of Xypex Concentrate. The total quantity is 100 m², and 60 meters of construction joint are sealed with Xypex Concentrate Dry-Pac. Completed in July 2006.

130. Office Building, 26-28 Ham Nghi St., District 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected by the Contractor for waterproofing the basement, water tank, septic tank, roof, and elevator pits of this project. The total quantity is 600 m² and 95 meters of construction joint. Project completed in November 2006.

131. Chuong Nguyen Factory, My Phuoc I.P. 2, Binh Duong Province

Contractor: Architect & Construction Service Co. No. 2 (ACSC)

Xypex Concentrate 2-coat system is selected to waterproof the roof of this factory. Total quantity is approximately 450 m². Completed in August 2006.

132. Hung Vuong Plaza, 126 Hung Vuong Blvd., District 5, HCMC

Owner: Kinh Do Joint Stock Company & Saigon 5 Trading Joint Stock Co

Construction Consultant: AIC Management

Contractor: General Construction Company No. 1 (Cofico)

Xypex is selected by the Contractor to waterproof the Domestic water tanks, Fire fighting tank & swimming pool for this project. The estimated quantity is approximately 3,300 m² and 550 meters of construction joint. Works commenced in October 2006 and to complete December 2007.

133. Office Building, 67 Ham Nghi Street, District 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is again selected to waterproof the basement, diaphragm wall, water tank, septic tank, roof and elevator pits of this project. Total quantity is 800 m² and 125 meters of construction joint. Completed in December 2006.

134. Fideco Tower, 37-39 Ham Nghi Street, District 1, HCMC

Owner: VP Bank

Designer Consultant: Meinhardt Vietnam.,Ltd

Construction Consultant: Delta Construction Management

Contractor: General Construction Company No. 1 (Cofico)

Xypex is selected by the Contractor to waterproof the basement diaphragm wall & slab, septic tank, water tanks and elevator pit for this project. The estimated quantity is approximately 2,000 m² and 350 meters of construction joint. Works commenced in December 2006 and completed in April 2007

135. Luxurious Villa, 202-204 24th Street, An Phu, An Khanh, District 2, HCMC

Owner: Mr. Huynh Thanh Son

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected by the Contractor to waterproof the basement, terrace, and bathrooms. Total area treated is 500 m² and 300 meters of construction joints. Work complete in March 2007.

136. Office Building, 142 Le Thanh Ton Street, District 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is again selected to waterproof the basement, diaphragm wall, water tank, septic tank, roof and elevator pits of this project. Total quantity is 850 m² and 180 meters of construction joint. Schedule to completed in April 2007.

137. Intermediate Wastewater Pumping Station Diaphragm Wall -HCMC Water Environmental Project Package C, 154-156 Cao Lo St, District 8, HCMC

Designer: Pacific Consultants International (PCI)

Main Contractor: Nishimatsu-Ebara-Shimizu J.V. (N.E.S. Joint Venture)

Contractor: Bachy Soletanche VN J.Stock Company

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Works commenced in April 2007 and completed in July, 2007..

138. Precast Prestressed Concrete Pile Factory, My Tho Industrial Park, Tien Giang Province

Designer: Vmec Design Consultant & Architecture Joint Stock Company

Contractor: Tien Giang Joint Stock Investment & Construction Co.

Xypex is selected to waterproof the Jumbo & Souveraen basement of this project. Total quantity is 450 m² and 110 meters of construction joint. Completed in September 2007.



139. Hoya Lens Vietnam Factory, Northern Thang Long I. P., Hanoi City

Contractor: Obayashi Corporation

Xypex is selected to concrete repair and then waterproof the water tank & the waste water treatment plant of this project. Total quantity is 750 m² and 180 meters of construction joint. Completed in September 2007.

140. Hong Anh Office Building, 16 Cuu Long St , Tan Binh Dist, HCMC

Owner: Mr Tran Trong Anh

Designer: Gia Binh Tan Architecture & Construction

Contractor: Phuong Hung Construction.,Ltd

Xypex is selected to waterproof the basement, domestic water tank, elevator pit of this project. Total quantity is 550 m² and 100 meters of construction joint. Completed in October 2007.

141. Green House Office Building, 117-119-121 Nguyen Du St, Dist 1, HCMC

Owner: Ms. Vu Thi Nga

Contractor: Phuoc Thanh Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected to waterproof the basement, domestic water tank, elevator pit of this project. Total quantity is 1050 m² and 300 meters of construction joint. Commenced in September 2007, works still in progress.

142. The EverRich Complex Basement, 940B Ba Thang Hai St., Dist. 11, HCMC

Owner: Phat Dat Joint Venture Co.

Designer: Chan Phuong Engineering Co., Ltd.

Contractors: COTECCONS & Toan Phat Thinh Construction Co.

Foundation Contractor: Bachy Soletanche Vietnam

Construction Management: Meindhart Vietnam

Xypex is selected by the Owners to waterproof the basement, domestic water tank, septic tank, and elevator pit of this project. The decision to use Xypex is after witnessing the diaphragm contractor, Bachy Soletanche, repaired all leakage at the diaphragm walls under Xypex's technical support. Initial quantity is 13,000 m² w/ 950 meters of construction joint. Works is on-going since August 2007 and schedule to complete additional above ground portion by the end of 2008.

143. HCMC Water Environmental Improvement Project Package D, HCMC

Designer: Pacific Consultants International (PCI)

Main Contractor: Nishimatsu-Ebara-Shimizu J.V. (N.E.S. Joint Venture)

Supply Xypex materials for repair to manholes and drainage pipes at various locations around the city. Works commence since November 2007 and is on-going.

144. Constrexim Square, 13 Ton Dan St., Dist. 4, HCMC

Owner/Contractor: Pacifric Trading Investment & Construction (Constrexim Pacific)

Xypex is selected to repair extensive leaks in a new basement that was waterproofed with a membrane system. Repairs were carried out against hydrostatic pressure at areas with honeycombs and construction joints. After the leaks are controlled, Xypex coatings were used to re-waterproof the whole basement. Total quantity completed is 2,000 m². Project is on hold since May, 2008 due to financial difficulties.



145. Kumho Asiana Plaza, 39 Le Duan St, District 1, HCMC, Vietnam

Owner: Kumho Asiana Corp.
Designer: Gruen Associates Inc.
Contractor: Hoa Binh Construction Co.
Construction Management: Kumho E & C Co., LTD

The architect, Gruen Associates Inc. specified Xypex for the water tank & septic tank of this 220 million U.S. dollar complex that includes shopping center, high-rise office, hotel, & apartment buildings. Total quantity is approximately 1,600 m², and DT&T Co., Ltd. is the sub- contractor applying Xypex.

146. The Centec Tower, 74 Nguyen Thi Minh Khai St., Dist. 3, HCMC

Owner : Sao Phuong Nam Corp.
Main Contractor: General Construction Company No. 1 (Cofico)
D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected to repair extensive leaks in a new basement that was waterproofed with membrane system. Xypex repairs were carried out against hydrostatic pressure at areas with honeycombings and construction joints. After the leaks are controlled, Xypex coatings were used to re-waterproof the complete lowest level of the basement slab. Total quantity is around 2,500 m². Project completed in December, 2008.

147. The EverRich Complex Towers, 940B Ba Thang Hai St., Dist. 11, HCMC

Owner: Phat Dat Joint Venture Co.
Designer: Chan Phuong Engineering Co., Ltd.
Contractors: Cotec Construction Company COTECCONS
Foundation Contractor: Bachy Soletanche Vietnam
Construction Management: Meindhart Vietnam

Following the successful basement waterproofing works, Xypex is selected again by the Owners to waterproof the above-ground portion of the project. All areas of the two towers were waterproofed with Xypex including all roofs, terraces, landscape/garden areas, planters, balconies, toilets, two roof top water tanks, public roof swimming pool, public roof jacuzzi, and 10 penthouse private roof swimming pools. Initial quantity is more than 25,000 m². Project schedule to complete in October 2009.

148. Office Building, 46-48 Phạm Hồng Thái St, Ben Thanh Ward, Dist 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd
Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected to waterproof the basement, domestic water tank, elevator pit, roof slab, gutter, toilet floor of this project. Commenced in September 2007, project completed in December 2009.

149. Office Building, 144-146-148 Le Lai St, Ben Thanh Ward, Dist 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd
Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected to waterproof the basement, domestic water tank, elevator pit, roof slab, gutter, toilet floor of this project. Commenced in September 2007, project completed in December 2009.



150. Office Building, 52 Phạm Hồng Thái St, Ben Thanh Ward, Dist 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd

Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected to waterproof the basement, domestic water tank, elevator pit, roof slab, gutter, and toilet floor of this project. Commenced in September 2007, and completed in December 2009.

151. Big C Supermarket ,Hoang Van Thu St, Phu Nhuan Dist , HCMC

Contractor: Dinh Nguyen Construction Co., Ltd

Designer: Chan Phuong Engineering Co., Ltd.

Xypex is selected to waterproof the waste water tank, domestic water tank, elevator pit, roof slab, gutter, and toilet floor of this project. Project completed in December 2007.

152. Big C Supermarket ,Nguyen Kiem St, Phu Nhuan Dist , HCMC

Contractor: Tan An Anh Construction Co., Ltd

Designer: Chan Phuong Engineering Co., Ltd.

Xypex is selected to waterproof the basement, domestic water tank, elevator pit, roof slab, gutter, toilet floor of this project. Project completed in September 2009.

153. Uni-President Factory, Dien Ban Industrial Park, Quang Nam Province

Owner: Uni-President Vietnam

Construction Inspector: Mr. Chin Yung Kun

Contractor: Unicons Joint Stock Company

Xypex is selected to waterproof the basement, domestic water tank, material storage slab of this factory. Project completed in December 2010.

154. Lam Giang Office Building, 167-169-171-173 Tran Hung Dao St, Dist 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd

Designer:

Xypex is selected to waterproof to 2 basements, domestic water tank, elevator pit, roof slab, gutter, balcony, toilet floor of this project. Commenced in September 2007, project completed in December 2009.

155. Office Building, 155-157 Nguyen Tri Phuong St, Dist 10, HCMC

Contractor: Minh Nguyen Construction Co., Ltd

Designer:

Xypex is selected to waterproof to 2 basement, domestic water tank, elevator pit, roof slab, gutter, balcony, toilet floor of this project. Project completed in September 2010.

155. My Phu Hung Office Building, 102 Bis Cong Quynh St, Dist 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd

Designer:

Xypex is selected to waterproof to 2 basements, domestic water tank, elevator pit, roof slab, gutter, balcony, toilet floor of this project. Commenced in February 2010, project completed in December 2011.



156. Le Meridien Tower, 3C Ton Duc Thang St, District 1, HCMC

D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Works commenced in April 2009 and completed in July, 2010.

157. The Richland Emerald, 119 Bai Say St, District 6, HCMC

D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Works commenced in May 2008 and completed in July, 2009

158. The An Phu Plaza, 117-119 Ly Chinh Thang St, District 3, HCMC

D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Works commenced in April 2009 and completed in November, 2010

159. The Thao Dien Pearl, 12 Quoc Huong St, District 2, HCMC

D Wall Contractor: Thien An Joint Stock Co.

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Works commenced in June 2010 and completed in December, 2011

160. The New Pearl, 192 Nam Ky Khoi Nghia St, District 1, HCMC

D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Works commenced in April 2009 and completed in February 2011.

161. Office Building, 218 Dien Bien Phu St, Dist 3, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected to waterproof the basement, domestic water tank, elevator pit, gutter, roof slab, toilet floor, balcony of this project. Total quantity is 3,050 m² and 450 meters of construction joint. Commenced in September 2011, works still in progress.

162. The Saigon M&C Tower, 34 Ton Duc Thang St., Dist. 1, HCMC

Owner: Saigon M&C Real Estate Joint Venture Co.

Designer: Structure Ile De France Architecture Co

Contractors: Bouygues Batiments International VN.(BBI)

Foundation Contractor: Bachy Soletanche Vietnam

Construction Management: Archetype Vietnam, Co.

Xypex is selected by the Main Contractor BBI to supply Xypex Admix C1000NF waterproof the slab of its lowest 5th level basement, concrete batching by the concrete supplier, Holcim Vietnam. Xypex is also selected by Bachy Soletanche Vietnam to repair concrete defects at diaphragm wall, raft slab, and sealed construction joints. Xypex Admix is being selected for the swimming pool and the roof water tank. Total quantity was over 3,500m³ of concrete dosed w/ Xypex Admix C-1000NF



for the top 30cm thickness of the basement slab, and the wall & slab of water tank & pool. Works completed in December, 2011.

163. Park Spring Development, 559 Nguyen Duy Trinh St., Dist. 2, HCMC

Owner: Khang Dien & Capital Land J. V. Co.

Designer: Ngo Quang Hien Architecture Co (NQH)

Contractors: General Construction No.1, Co.(COFICO)

Construction Management: Project Manager VN Co.,Ltd.

Xypex is selected by the Owners to waterproof the basement, domestic & fire fighting water tank, septic tank, and elevator pit of this project..The quantity of phase 1 is 13,000 m² w/ 4,200 meters of construction joint. Works is on-going since July 2011 and place on hold for transfer of ownership as of June 2012.

164. Uni-President Factory Phases II, Dien Ban Industrial Park, Quang Nam Province

Owner: Uni-President Vietnam

Designer: DESCONS

Contractor: Sonacons Joint Stock Co.

Xypex is selected to waterproof the basement, domestic water tank, material storage wall and slab of this factory. Project completed in December 2011

165. Honda Factory II, Dong Van 2 Industrial Park, Ha Nam Province

Owner: Honda Vietnam

Contractor: Shimizu Vietnam Corporation

Xypex is selected to waterproof the water treatment tank, domestic water tank and roof office of this factory. Project completed in December 2011.

166. The VietcomBank Tower, 05 Me Linh Square St, District 1, HCMC

Owner: Viembank Bonday Benthanh J.V. Co., Ltd.

D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Due to the location near the Saigon River, the Owner decides to waterproof the whole basement after inspecting the results of Bachy Soletanche's repair. The waterproofing work was then executed by Bachy Soletanche Vietnam. Works commenced in April 2011 and project completed in late 2014.

167. The Vincom A Plaza, Le Loi St, District 1, HCMC

Owner: Vincom Joint Stock Co.

D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Works completed in 2011.

168. Office Building, 166-168 Nam Ky khoi Nghia St, Dist 1, HCMC

Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected to waterproof the basement, domestic water tank, elevator pit, gutter, roof slab, toilet floor, balcony of this project. Total quantity is 1,550 m² and 150 meters of construction joint. Work completed in June 2012.



169. The Azura Tower, Lien Chieu Dist, Da Nang City.

Owner: *Vina Capital Land J.V. Company*

Xypex is selected by the Owner to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall, construction joints and basement slab. Works completed in August 2013.

170. Konishi Vietnam Biotechnology Plant, Que Vo I. P., Bac Ninh Province, Vietnam

Main Contractor: *Obayashi Corporation*

Konishi Vietnam Biotechnological Co., Ltd, a subsidiary of Nippon Zoki, developed this US\$90 million project on 10.6 hectare land to make pharmaceutical products extracted from the skin of white rabbits from New Zealand at a design consumption capacity of 3,700 head a day. The initial phase of the project estimated at US\$62 million covers 3 hectare land. The later phase will develop on-site input materials in the long run. Xypex Vietnam was selected to supply and provide technical support to apply 2 coats of Xypex Concentrate to 48 tanks, at a total quantity of over 7,100 m². Project completed in February, 2014.

171. B-Braun Vietnam Factory Expansion, Thanh Oai I.P., Ha Tay Dist., Hanoi, Vietnam

Main Contractor: *Shimizu Corporation*

Consultant: *HBP Asia Project Management Ltd.*

Xypex is specified by HBP Project Management for the factory slab of the new expansion. Due to the moisture problem with the existing factory, the original thought was to use Xypex Admix for the new slab. But in order to simplify the construction process, the decision switched to using Xypex Concentrate coatings for flexibility. Instead of coating over the slab, Xypex Concentrate is mixed into slurry form and pour over reinforcing steels onto lean concrete, about 1 day prior to placing the slab. The Xypex slurry dosage is 1.3 kg/m² and it will penetrate upward from underneath the slab, leave the top of slab clean for floor coating. The estimated quantity is 5,630 m² of factory slab and project completed late May, 2014.

172. Tam Hop Hospital , 871 Tran Xuan Soan St, Dist 7, HCMC

Contractor: *Phu My E&C Co., Ltd.*

Designer: *ArcAsia Co., Ltd*

Xypex is selected to waterproof the basement, domestic water tank, elevator pit, gutter, roof slab, toilet floor, balcony of this project. Total quantity is 5550 m² and 850 meters of construction joint. Commenced in December 2013, project completed in November, 2014.

173. The Saigon Centre Phases 2&3, Le Loi St, District 1, HCMC

Owner: *Keppel Land J.V. Co., Ltd.*

D Wall Contractor: *Bachy Soletanche Vietnam*

The expansion of Saigon Center, the first high rise project in Vietnam, includes an addition of a six level basement connecting to the existing three level basement. The diaphragm wall contractor, Bachy Soletanche Vietnam selected Xypex as the sole repair system to seal all defective concrete, and also to seal all leaks from the inside face of the diaphragm walls. The main Contractor of the project is Hoa Binh Construction. After witnessing the result of Xypex's effectiveness in sealing against negative hydrostatic pressure leaks and its reliability throughout the basement project, they decided to use Xypex on their new project, The Vinhomes Ba Son Golden River, also located in District 1, HCMC.



174. HCMC MRT L1 PC 1B , Opera House Station, Nguyen Hue & Le Loi St., Dist 1 , HCMC

Main Contractor: Shimizu Maeda JV

D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected by the Bachy Soletanche Vietnam to supply and provide technical support on defective concrete repair at all serious leakage portion of the diaphragm wall construction joints and re-bar penetration for this 5 level basement. As of November, after observing the effective results of Xypex, the Main Contractor is considering to use Xypex coatings for both the Opera House Station and the Ba Son Station. Works started in May 2015 and scheduled to complete in 2019.

175. Office Building, 17-19 Vo Van Tan St, Dist 3, HCMC

Main Contractor: Minh Nguyen Construction Co., Ltd.

Designer: Minh Nguyen Construction Co., Ltd

Xypex is selected to waterproof the basement, domestic water tank, elevator pit, gutter, roof slab, toilet floor, balcony of this project. Total quantity is 3,550 m² and 150 meters of construction joint. Commenced in April 2016, works still in progress.

176. The REE Tower, 11 Doan Van Bo St, Dist 4, HCMC

Owner: REE Joint Stock Co.

D Wall Contractor: Bachy Soletanche Vietnam

Xypex is selected by the Contractor to supply and provide technical support to repair defective concrete at all serious leakage portion of diaphragm wall's construction joints and re-bar penetrations. Works commenced in February 2016 and still on-going.

177. Uni-President Factory Phase III, Song Than Industrial Park, Binh Duong Province

Owner: Uni-President Vietnam

Main Contractor: Tuan Hao Joint Stock Co.

Due to continuing success from previous projects, Xypex is selected to waterproof the basement, tunnel, material storage wall and slab of this factory. Project completed in May 2016

178. Vinhomes Central Park Phase 1 Residential, Tan Cang St, Binh Thanh Dist , HCMC

Owner: Vingroup Joint Stock Co.

Main Contractor: Delta Construction J.S. Co

Due to the extreme hydrostatic pressure of ground water right next to the Saigon River, Xypex materials were supplied with technical support for repairing defective concrete, and sealing rebar penetrations along the perimeter of the diaphragm walls. Additional portions of the work also include waterproofing the basement slabs, lift pits, and water tanks for the 6 high rise residential towers in the Phase 1 of this project.

Works commenced in February 2016 with over 8,100 kgs. of Xypex Concentrate were supplied by April 2016. Delta Construction JV Co. is the Main Contractor for the whole Vinhomes Central Park Development project. Project is scheduled to complete in 2019.

179. Vinhomes Central Park Landmark 81, Tan Cang St., Binh Thanh District, HCMC

Owner: Vingroup Joint Stock Co.

D Wall Contractor: Bachy Soletanche Vietnam

Main Contractor: Delta Construction J.S. Co.

Subcontractor: Cotec Construction Company COTECCONS

Xypex is again selected by Bachy Soletanche Vietnam to supply and provide technical support as the stand alone concrete repair system to mend concrete defects for the diaphragm walls of this 81 story super structure. Due to its location next to the Saigon River, only Xypex is used in order to ensure a perfectly dry basement. Project is on-going as of February, 2016.

180. HCMC MRT L1 CP 2, 5 Aboveground Stations, HCMC

Main Contractor: GS Engineering & Construction Co.

Subcontractor: Hoa Binh Construction

Xypex Vietnam is selected by GS Engineering & Construction to repair approximately 600+ linear meter of cracks at the five newly constructed aboveground Metro Stations. Cracks are cut to a U-shape groove and plugged with Xypex Concentrate Dry Pac, then followed with 2 coats of Xypex Concentrate slurry. Xypex was selected after trial repair comparing with Sika materials. Hoa Binh Construction is the subcontractor to monitor the repair process for the Thao Dien, Cat Lai, Rach Chiet, Thu Duc, and Hightech Park stations. Total quantity is about 650 meters of cracks, completed in early 2018.

181. Vinhomes Ba Son Golden River, 02 Le Duan St, Dist 1 , HCMC

Owner: Vingroup Joint Stock Co.

D Wall Contractor: Bachy Soletanche Vietnam

Main Contractor: Hoa Binh Construction

Xypex is supplied to Bachy Soletanche Vietnam to repair defective concrete repairs of diaphragm wall's construction joints and rebar penetrations at the 2 level basement. Because this site is the former Ba Son Ship Yard right by the Saigon River, the main contractor, Hoa Binh Construction, also purchased Xypex for their own leak repairs at the basement of the 1st Phase. Materials supplied in 2017.

182. Dai Quang Minh – SALA New City, Dist. 2, HCMC

Owner: Dai Quang Minh Corporation

Xypex is requested by the Owner to perform negative repair under the terrace and swimming pool areas to seal all leakage at the Sarimi Development Block M1 and M2. Following the success of the repairs, Xypex is retained to continue waterproof the Sarina Development covering all roofs, terraces, tanks, and water features of Block A, B, and C. Total approximate quantity is 7,000 m², completed in April 2018.

183. HCMC Metro Line 1 CP 1B, Ba Son Station, Dist. 1, HCMC

Main Contractor: Shimizu-Maeda Joint Operation

D Wall Contractor: LICOI

A section of the diaphragm wall was replaced with pilings due to soil conditions at this 20-meter depth, two level basement, next to the Saigon River. Extreme leakage into the basement cannot stop after repeated injection grouting. Construction can't proceed with the basement slab so Xypex was called in. After over a month of negative repair against extreme hydrostatic pressure on the 70+ meters of vertical construction joints at the piling section, and several areas of the diaphragm walls, all leaks are stopped and allow pouring of the basement B1 slab. to stabilize the diaphragm walls. Due to hydrostatic pressure, new leaks are appearing at new areas of the diaphragm wall and require continuing repairs. The repair completed in early June, 2018. Due to the success, beginning November 2018, Xypex Vietnam was requested by SMJO to supply materials with technical support to train SMJO staffs to self-repair other leaking areas of the basement D-Wall against extreme hydrostatic pressure.

184. HCMC Metro Line 1 CP 1B, Opera House Station, Dist. 1, HCMC

Owner: Management Authority For Urban Railways

Main Contractor: Shimizu-Maeda Joint Operation

D Wall Contractor: Bachy Soletanche Vietnam

After trial mockup comparison against another crystalline system, Xypex is the clear choice and selected by the HCMC MAUR to waterproof all 5 levels of diaphragm walls (35 meters depth) along



Nguyen Hue Blvd. and Le Loi Blvd. Estimated quantity is approximately 11,800 m². Waterproofing commenced in May 2018 but was later cancel in July 2018 due to decision from Hanoi to revert back to the original design to build a screen wall and not waterproof the D-Wall.