

SINGAPORE ART CENTRE : THE ESPLANADE - THEATRES BY THE BAY

Singapore

This landmark project was built right next to the sea, therefore the basement was subjected to significant hydrostatic pressure and a harsh marine environment. Phase I (Parking Structure) utilized a membrane system, which has subsequently required constant repair. After careful testing by Sestco Services Pte Ltd with supervision by Taywood Engineering Ltd., Phase II (underground Theatres) utilized Xypex Admix C-2000 (dosing 20,000 m³ or 700,000 ft³) of concrete. The Phase III portion in year 2000 continued to use Xypex Admix for the service tunnel sections. Main contractor is Penta Ocean Construction Co. Ltd.



MAYBANK DEVELOPMENT – FOUNDATION SLAB

Kuala Lumpur, Malaysia

This twin tower development is designed as a new headquarter for MAYBANK. The basement slab comprises approximately 24,000 m³ of masscrete. The initial pour of approximately 13,200 m³ was a continuous pour conducted over a 60 hour period. This is the third largest continuous pour conducted in the world, and the largest in South East Asia. The slab is up to almost 6.0 m thick in areas and averaged in excess of 4.0 m. Xypex Admix C-2000NF in conjunction with water reducing superplasticisers enabled extended set in the vicinity of 20 hours thus negating the potential problem of “cold joints”. The contractor was Percon Sdn Berhad and the mass pour was completed in 1997.



THE NEW WOODLANDS CHECKPOINT

Singapore

The New Woodlands facilitates the immigration, custom checks and movement of land traffic between Singapore and Malaysia. On completion, over 16,000 m³ of Xypex Admix dosed concrete was placed in the basement slabs, trenches, retaining walls of this prestigious project in Singapore. The construction joints and the tie rod cone infill were treated with Xypex Concentrate, Dry-Pac and slurry coat. Waterproofing and durability of the concrete was of utmost importance due to the proximity of salt water and potential carbonation from vehicles' exhaust emission. The developer and consultant was the Ministry of National Development and the Public Works Department of Singapore respectively. The contractor was Kajima Overseas Asia Pte Ltd.



STAR CITY OFFICE & SHOPPING CENTER

Kuala Lumpur, Malaysia

This was one of the more prestigious projects completed in Kuala Lumpur during that time. The basement car park walls and floors were treated with Xypex Concentrate and construction joints plugged with Xypex Patch'n Plug. This project was completed in 1999.



BANK OF CHINA BUILDING

Beijing, People's Republic of China

This prestigious project involved treating the diaphragm walls and poured-in-place concrete foundation. A total of 52,000 m² (560,000 ft²) utilized a two coat application of Xypex Concentrate and Xypex Modified. This project consumed a total of 66,000 kg (145,000 lbs.) of both products.



VISION CITY COMPLEX

Kuala Lumpur, Malaysia

This was one of the largest and prestigious project completed in Kuala Lumpur in 1999. The basement car park walls and floors were treated with Xypex Concentrate and construction joints sealed with Xypex Patch'n Plug. One critical portion of the job required Xypex to treat a large storm drain duct which stretches over 50 meters above the car park.



POWER PLANT

Dunai, Hoeromu, Hungary

A two coat application of Xypex Concentrate was used to waterproof an underground channel used to carry water. A total of 4,500 m² (49,000 ft²) surface area was treated.



NORWAY HOUSE

Warsaw, Poland

This foundation slab was 16 m (52 ft.) below grade and the walls were up to 1 meter (3.3 ft.) in thickness.

Xypex Patch'n Plug was first used to repair defects and cracks in the foundations walls. Xypex Concentrate was then spray applied to 180 m² (2,000 ft²) of the concrete surfaces.



INCINERATOR PLANT

Prague, Czech Republic

This project involved stopping severe water leakage into this foundation which was a containment area for diesel fuel tanks. So much water (up to 1.5 m / 5 ft.) was getting into this area that empty tanks would float. Xypex products were used to seal defective construction joints. This included Patch'n Plug and Concentrate Dry-Pac. Xypex Concentrate slurry coat was applied to the entire concrete surface. The total area treated was 800 m² (8,700 ft²). This application was the first Xypex project in 1993 and proved to be very successful. It provided a tremendous testimonial for promoting the effectiveness of the Xypex technology.



XYPEX *PROJECTS*



THE SANDS CASINO

Macau, China

The foundation of The Sands Casino was subject to high hydrostatic pressure. Xypex Admix C-1000 NF was specified and used to waterproof over 10,000 m³ of foundation concrete. Xypex Patch'n Plug and Xypex Concentrate were used to repair the cracks and joints.



RIVER ROCK CASINO

Richmond, BC, Canada

Xypex Admix C-1000 was blended into the concrete mix to waterproof and protect the concrete of the foundation walls.



WYNN RESORTS

Macau, China

Xypex products were used to waterproof and protect the foundation of this resort structure.



XYPEX *PROJECTS*



SAINT MARY'S ABBEY

Ireland

This retail and apartment development complex, located close to the River Liffey, is an on-going Xypex project. To date, 9820 kg of Xypex Admix has been used to waterproof areas such as the basement slab, 6 m below ground level and 4 m below the water table and perimeter wall.



RETAIL BUILDING-MISSION BAY

San Francisco, California, USA

Xypex Dry-shake DS-1 was trowel applied to the foundation pilings of this building. Xypex Admix C-1000 was used in the concrete mix for the elevator pits.



ST. CLAIR COUNTY ADMINISTRATION BUILDING BASEMENT

Port Huron, Michigan, USA

Xypex Admix C-2000 was blended into the concrete mix to waterproof and protect the basement slab of this structure. The basement is 13 ft. (4 meters) below the river and has to withstand anticipated flood levels. Xypex proved to be the right choice. No water seepage was detected in this area even though heavy rainfall occurred during construction.



TIS BANK HEADQUARTERS

Istanbul, Turkey

This massive complex involves 3 separate towers (1 at 52 floors & 2 at 36 floors), an auditorium, gallery, and multi-storey car park. This office and shopping complex utilized the Xypex system of products to waterproof the foundation curtain walls, raft slab, and the fire and potable water reservoirs. The Xypex application involved 32,000 m² (350,000 ft²) and was applied between April 1997 and September 1999. The project was completed in 2000.



ASIAN DEVELOPMENT BANK HEADQUARTERS

Manila, Philippines

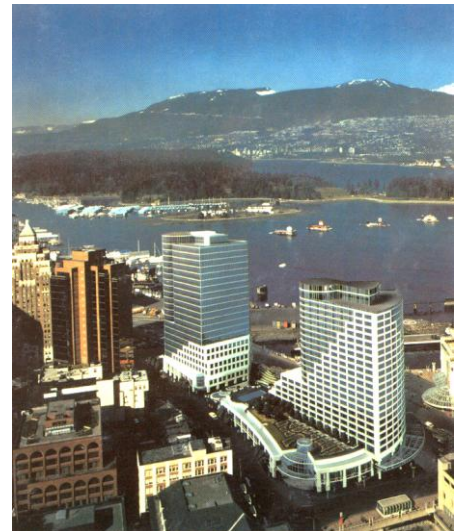
The headquarters building for the Asian Development Bank was constructed in Manila by Hyundai Engineering & Construction Co. Ltd. The Xypex crystalline system was used to waterproof basement areas, a large potable water tank and a roof deck. Total area treated was approximately 9,300 m² (100,000 ft²).



WATERFRONT CENTRE

Vancouver, B.C., Canada

Ten large thermal storage tanks, ten elevator pits and four sump pits were waterproofed with Xypex products at this prominent hotel and office complex located on Vancouver's harbour waterfront. The thermal chambers are below sea level and comprise part of the concrete foundation structure. Total area treated was approximately 7,450 m² (80,000 ft²). In addition, Xypex Concentrate and Xypex Patch'n Plug were used to repair approximately 1,200 meters (4,000 ft) of construction joints.



ALL SEASONS PLACE COMPLEX

Bangkok, Thailand

This was one of the largest hotel cum office complex built in Bangkok in 1999. Xypex was used exclusively on phase 4 over all foundation walls and floors as well as the water treatment and sewage treatment plants which are essential for big projects in Bangkok. The Architect is Palmer & Turner and the applicator of Xypex was executed by Cormix International.



MARMARIS HOTEL

Marmaris, Turkey

The Xypex system was used to waterproof basement areas, decks and swimming pools of this luxury hotel located near the Mediterranean Sea. The total area treated was 22,300 m² (240,000 ft²).



SWISSTMTEL

Seoul, Korea

The basement foundation walls and slabs, swimming pool, machine rooms, pits, and parking deck of this hotel owned by Swiss Air were waterproofed with the Xypex crystalline system. A total of 28,725 m² (309,200 ft²) were treated.



XYPEX *PROJECTS*



NATIONAL BANK OF SLOVAKIA

Bratislava, Slovakia

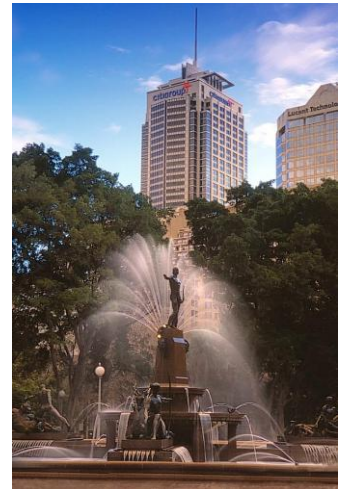
A membrane waterproofing system with Xypex as a secondary level of protection was the original specification for this Bank building. On completion of construction, it was found that the membrane had failed; the Xypex system was the only waterproofing system protecting the building. A two-coat application of Xypex Concentrate and Modified was applied to the walls and floor and the horizontal joints were treated with Xypex Patch'n Plug.



CITIGROUP HEADQUARTERS

Sydney, Australia

Xypex Admix C-1000 NF and Admix C-2000NF were used in the 90 MPa concrete. Xypex Dryshake DS-1 was applied to concrete 150 m above street level.



21ST CENTURY TOWER

Dubai, United Arab Emirates

This tower is the tallest residential building in the region. Xypex was used to waterproof and protect the underground water tanks.



XYPEX *PROJECTS*



ANTEL 2000 CORPORATE CENTER

Makati City, Philippines

Xypex products were applied to the concrete in a number of areas throughout this structure, including the cooling tower, roof deck, kitchen, canopy, elevator pit, cistern tank, helipad, parking area, roof, tank deck and planter box.



PS BANK BUILDING

Philippines

Xypex Concentrate, Modified and Patch'n Plug were used to repair and waterproof several areas in this bank building. Xypex was applied to the fire protection tank, cistern tank, elevator pit, planters, garden deck, parking area, machine room deck, basement wall, entrance canopy, and radio room deck.



CITIBANK TOWER

Makati City, Philippines

Xypex products were used to waterproof the basement walls, overhead water tank, the canopy and the underground water tank of this bank building.



THE MAX CONDOMINIUMS

Vancouver, Canada

Xypex Concentrate was used on all exposed above-ground construction joints to protect suites from water penetration. Xypex Patch'n Plug was used to patch and waterproof the tie holes in the underground parkade.



THE MIRO CODOMINIUMS

Vancouver, Canada

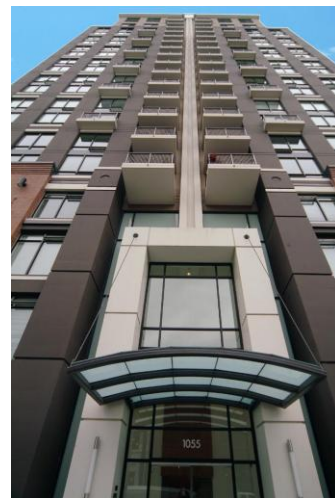
Xypex Concentrate was used to waterproof all above-grade construction joints exposed to weather. Xypex Patch'n Plug was used to patch and waterproof all tie holes.



DOMAS CONDOMINIUM

Vancouver, Canada

Xypex Concentrate was used to waterproof all construction joints.



WESTLINK APARTMENT

Jakarta, Indonesia

Xypex products were used to waterproof and protect the foundation floors and walls of this apartment block.



TAMAN ANGGREK SHOPPING CENTER

Jakarta, Indonesia

Xypex projects were used to waterproof the basement and tunnels of this shopping mall which also includes 8 condominium towers.



PACIFIC & RICHARDS ST. CONDOMINIUMS

Vancouver, BC, Canada

Xypex Concentrate was used on all exposed above-ground construction joints. Xypex Patch'n Plug was applied to the tie holes in the underground garage.



SLOVAK SAVINGS BANK TAXATION COMPLEX

Poprad, Slovakia

To protect the concrete and prevent ground water seepage, Xypex Concentrate and Modified were applied to the below-grade walls and slab of this Bank building. Approximately 28,000 sq. ft. of Xypex coating and 4800 lineal ft. of Xypex joint work were required.



SAIFEE HOSPITAL

India

Xypex products were used to waterproof the floors and retaining walls of this 3-level basement, from the negative side.



CENTRAL LIBRARY

Beijing, China

The storage room for rare books and the underground equipment room of this Library building were waterproofed and protected with a two-coat application of Xypex Concentrate and Modified.



ARIAKE SOUTH DISTRICT MODEL BUILDING

Tokyo, Japan

Xypex Patch'n Plug was used to seal the joints and cracks in the basement, followed by a two-coat treatment with Xypex Concentrate and Modified.



PIASEKI BUILDING

Warsaw, Poland

The construction joints of the foundation slab and walls of this building were waterproofed with Xypex products.



BANK OF TANZANIA

Tanzania

Five large money-storing vaults were the focus of this Xypex project. The below grade foundation is subjected to eight meters of head pressure. Because of this situation, two coats of Xypex were applied to the exterior of the vault walls and floor slab. Before the application of the final coat, the cold joints around the base of the slab were routed out and treated with a slurry coat of Xypex Concentrate, followed by Xypex Patch'n Plug.



AUCKLAAND PARKING STRUCTURE

New Zealand

Xypex Concentrate was used to waterproof the parking decks, parkades and walkways of this waterfront facility.



OCEAN PARK TOWER 1

Panama

The social area of this new luxury condominium complex was designed for the top of the last parking deck. The 6 parking decks hold approximately six hundred cars. With cars coming in and out on a regular basis, the contractor was concerned about the high probability of future water leaks through cracks caused by vibration. Xypex Concentrate and Modified were specified and applied as a preventive waterproofing and protection measure. The success of this project has resulted in the specification of Xypex for the second tower.



NORTH BEACH GARAGE

San Francisco, California, USA

Xypex Concentrate was used to waterproof the top deck of the post-tensioned slab and ramps of this five-storey parking structure. Ninety feet of Xypex FCM was used below the top deck to seal boxes for post-tensioning cables. Paint adhered well to the Xypex FCM strip. Xypex Concentrate and Gamma cure helped produce a hard, durable surface.



SIRCA COMMERCIAL CENTRE

Valera, Venezuela

The concrete roof slab of this exposed parking area was waterproofed with Xypex Concentrate as a preventative measure.



ALESUND BOLIGBYGGELAG PARKING STRUCTURE

Alesund, Norway

This large car parking structure of 4,000 square meters was completely treated with Xypex waterproofing materials.



MULTI-LEVEL PARKING GARAGE

Warsaw, Poland

The ceiling of this parking garage was waterproofed with Xypex Concentrate while construction was in progress.



CHARLES DE GAULLE PLAZA OFFICE BUILDING

Bucharest, Romania

This building has 5 basement floors; most are for parking but the utilities are housed here as well (the fire water tank stretches along the 3 bottom floors). The outside basement walls and 2,250 m of cracks and joints were waterproofed with Xypex Patch'n Plug and with cement mortar dosed with Xypex Admix C-1000.



BEOGRAD PARKING STRUCTURE

Belgrade, Serbia & Montenegro

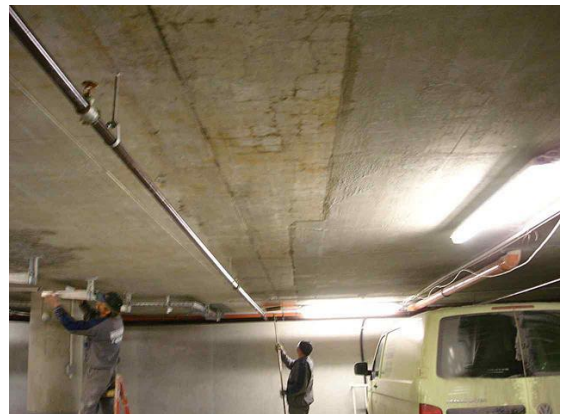
This below-ground parking structure was waterproofed with a two-coat application of Xypex Concentrate and Modified. Xypex Dry Shake was applied to the base slab of this parking structure which is located 12 m below ground level.



VACI AVENUE BUSINESS CENTER- UNDERGROUND GARAGE

Budapest, Hungary

The ceiling of this multi-level underground parking garage was exposed to constant water leakage from the garden above. Xypex products were used to patch the cracks and waterproof the concrete to stop the leaking - after other products had failed.



ILLUMINADA CONDOMINIUMS GARAGE

Edmonton, AB, Canada

Xypex Admix C-1000 was added to the concrete to waterproof and protect the parkade walls and three levels of underground parking.



B. C. PLACE STADIUM PLAZA PARKING

Vancouver, Canada

Xypex products were used to waterproof the deck of the plaza area which forms the main pedestrian access to the stadium. Below the plaza deck are several levels of car parking. A decorative topping was subsequently applied over the Xypex treatment.



NATIONAL BANK OF ETHIOPIA

Ethiopia

A two-coat application of Xypex Concentrate and Modified was used on the interior of the basement, the underground vault walls and floors and to the two-level parking structure. The roof slab of the above ground parking structure was also waterproofed with Xypex. The Xypex treatment remedied the severe leakage that existed prior to the application.



ADMIRAL INDUSTRIAL PARK - MODULE J

Singapore

Xypex Admix C-2000 treated concrete was placed in the basement slab on retaining walls to provide waterproofing and concrete protection. Construction joints were treated with Xypex Concentrate Dry-Pac. The Owner/Developer is Prime Holding Pte Ltd / Asia Investment Pte Ltd. The Consultant is Lend Lease (Singapore) Pte Ltd and the Architect is Lee Sian Teck.



ADMIRAL INDUSTRIAL PARK – MODULE K

Singapore

The basement slab and retaining walls at Admiral Industrial Park Module K were dosed with Xypex Admix C-2000 to ensure waterproof and to protect the concrete. The construction joints were treated with Xypex Concentrate Dry-Pac. Same development and consulting team as in Module J.



KAKI BUKIT TECHNOLOGY PARK

Singapore

Cost advantage and fast track construction were key factors in the Consultant, Lend Lease (Singapore) Pte Ltd specifying Xypex Admix C-2000 to all below ground construction, including sprinkler and water tanks in this prestigious project.



CENTRAL DISTRIBUTION CENTRE – INTERNATIONAL BUSINESS PARK

Singapore

Xypex Admix C-2000 was used as an admixture into all basement slabs, retaining wall, sprinkler tank, lift pits and storm water tank at below grade. Xypex Concentrate was applied to cold/construction joints between pour. This project was developed by Mannesmann Ag Development, and designed by AC Partnership with project management by Lend Lease (Singapore) Pte Ltd.



NEW HDB CENTRE– TOA PAYOH

Singapore

After many tests and thorough study, the Housing Development Board (HDB) and consultants had accepted the proposal by the main contractor, Shimizu Corporation, to use Xypex products as the waterproofing agent to make this project water tight. Xypex DS1 and DS2 (dry-shake) were selected to treat the whole 26,000 m² of the lowest basement slab that is subjected to a 11-12 m hydrostatic pressure underground. Xypex Concentrate coating was also applied to retaining walls and construction joints between concrete pour. The Owner is Housing & Development Board of Singapore, and the consultant is RSP Architect Planners & Engineers Pte Ltd.



HONEYWELL BUILDING - CHANGI BUSINESS PARK CENTRAL 1

Singapore

Xypex Admix C-2000 was used as a waterproofing admixture in all concrete at basement slab, retaining walls, sprinkler water tank, lift pit, sump pits and below grade storm water tank for the cost advantage and fast tracking construction. Xypex Concentrate coat was applied to all cold / construction joints between concrete pour to complete the Xypex waterproofing system. The Developer is Arcasia Land Pte Ltd, the architect is ADDP Architects and project management by Lend Lease (Singapore) Pte Ltd.



DURACELL BATTERY PLANT

Tennessee, U.S.A.

110,000 ft² (10,000 m²) slab treated with the shake-on method using 1,375 - 60 lb (27,2 kg) pails of Xypex DS2. Project was completed in 1996.



GENERAL MOTORS TRUCK PLANT

Indiana, U.S.A.

This was a fast track project and Xypex DS2 was used to protect slab from oil and coolants, as well as to provide abrasion resistance for the General Motor Plant floor slabs. Total application of Xypex DS2 was 200,000 ft² (18,000 m²). DS2 was used due to its efficient to the slab at a single application to provide both waterproofing and abrasion resistance.



BANCO VITALICIO FOUNDATION SLAB

Barcelona, Spain

The foundation slab of this bank building is 2 meters (6.5 ft.) below the water table and susceptible to hydrostatic pressure. Xypex was used to waterproof the entire slab and the column piths. The joints of the slab were treated between pours.



HOTEL TRAKIA

Bulgaria

The Hotel's concrete foundation, located below sea level, was waterproofed with Xypex products. The application had to be executed on both the negative and positive side. 450 meters of expansion joints, in the middle of the building, were also treated with Xypex.



KUWAIT CITY HOTEL

Kuwait

Xypex Concentrate was used to waterproof and protect the foundation of this hotel.



HILTON HOTEL

Barbados

Xypex Admix was blended into the concrete mix and used to waterproof and protect the swimming pools, sewage clarification tanks and basements of this new hotel.



OLYMPIC 2008 STADIUM

Beijing, China

Xypex crystalline technology is again a winning architectural choice for the 80,000 seat Beijing Olympic Stadium, famously known as the “Bird’s Nest” Stadium. The Bird’s Nest, its lacy structure really does look like a nest, features a high degree of technology and architectural aesthetics. Waterproofing materials used in this landmark project were required to meet high environment standards, have good corrosion resistance, durability, permeability and to be non-toxic. Xypex technology met all the pre-requisites and was selected by the Project engineer to waterproof and protect the concrete diaphragm walls and slabs of the podium.



OLYMPIC 2000 STADIUM

Sydney, Australia

This 110,000 seat main stadium utilized the Xypex technology to provide waterproofing, and long term protection. Xypex is chosen mainly for its evident self healing capabilities. This included the seating risers, suspended slabs and 4 large underground reservoirs. 25,000 m³ (875,000 ft³) of pre-cast and poured-in-place concrete was dosed with Xypex Admix C-2000 NF. Xypex Concentrate coatings were also employed for construction joints. In addition to the main stadium, Xypex Admix also treated in excess of 3,000 m³ of concrete in areas like the Woodchop Grandstand, the Dog & Cat Pavilion, Homebush Bay Ferry Terminal, Underground Railway Stations, and Electricity Sub Stations. The main contractor is Multiplex Construction.



OLYMPIC GAMES MEMORIAL

Seoul, South Korea

This monument with the Olympic symbol was built for the 1988 Olympic Games in Seoul and is located at the Olympic Park site. A two coat application of Xypex Concentrate and Modified was applied to all fountain areas surrounding the monument and to foundation walls and slab of a cultural display facility constructed underground. The total area treated was 4,000 m² (43,000 sq. ft.).



N.A.S.A. – NEUTRAL BOUYANCY LAB

Houston, Texas, U.S.A.

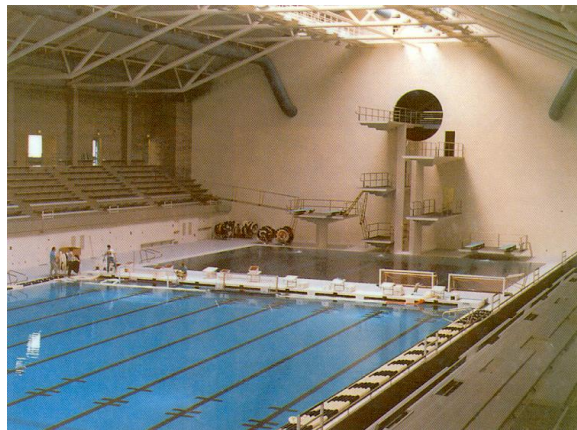
This large tank was specifically designed for N.A.S.A. to train astronauts in a weightless condition and to submerge Space Lab components to test for air-tightness. All joints and cracks were treated or repaired with Xypex Patch'n Plug White. A two-coat spray application of Xypex Concentrate and Modified White was applied to the entire interior of the tank (50,000 ft²/ 4,500 m²). Xypex White products were used to eliminate the need for a white painted surface.



KING COUNTY AQUATIC FACILITY

Seattle, Washington, U.S.A.

Xype products were used to waterproof the main competition pool, the diving tank and the warm-up pool at this complex built for the 1990 Goodwill Games in Seattle. The Xypex treatment consisted of 2 slurry coats on the vertical surfaces and a dry shake application on the slabs. A decorative coating was also specified to be applied over the Xypex treatment. However, the manufacturer of the decorative coating called for their product to be applied only over bare concrete. This problem was resolved by allowing the Xypex product to remain on the walls for 5 weeks to ensure complete chemical transfer from the coating into the concrete, and then sandblasting the coating off to expose the concrete and thus permit installation of the decorative coating as per the manufacturer's specifications.



HOTEL SWIMMING POOL

Cancun, Mexico

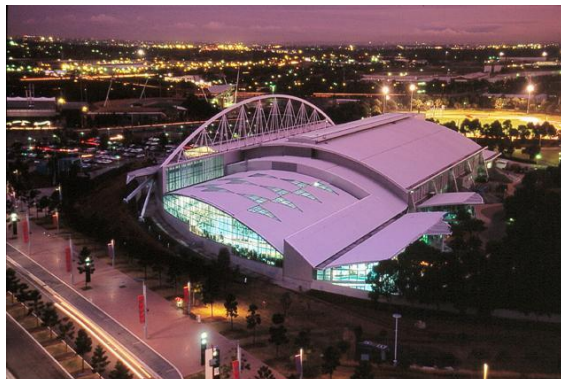
Swimming and Decorative Pools were treated with a two coat application of Xypex Concentrate and Modified. Total area treated was 11,000 m² (120,000 ft²).



HOME BUSH BAY AQUATIC CENTRE

Homebush Bay, Australia

Before tiles were laid, a coating of Xypex Concentrate was applied to the fine shrinkage cracks in the formed walls of the pool areas throughout the complex.



MOODY PARK KINSMEN POOL

New Westminster, BC, Canada

This 50 year old swimming pool developed extensive cracking around the perimeter wall and floor slab joints. A standard crack repair was carried out using Xypex Concentrate, Patch'n Plug and Shotcrete 100.



CASA DE CAMPO COMPLEX

La Romana, Dominican Republic

Xypex Concentrate and Modified were used to waterproof the basement walls, exterior terraces, and a private pool at this exclusive tourist destination. The complex consists of 116 villas, an artificial lake and four championship golf courses.



POOL AND SPA HOUSE

Clarus, Bermuda

Xypex Admix C-1000, Xypex Concentrate and Modified were used to waterproof and protect much of the concrete in this pool and spa.



CLUB AQUARIA WATER PARK & RESORT

Mumbai, India

Below-grade ground water was seeping through construction joints into the Lazy River and Wave Pool. Xypex products were successfully applied to the siphonic duct portion of the structure and to the trenches in the basement to stop the leaks and waterproof the concrete.



POLICE TRAINING SWIMMING POOL

Kunming, China

The pool is supplied with underground water at 80°C. Xypex Concentrate and Modified were used to waterproof the underground passages and the interior walls of the pool.



AMATHUS BEACH HOTEL

Cyprus

This swimming pool was waterproofed with Xypex during construction. The pool is successfully used throughout the year.



HOTEL SWIMMING POOLS

Bulgaria

15 Hotel swimming, wading and decorative pools across Bulgaria were repaired and waterproofed using Xypex Patch'n Plug, Concentrate and Modified.



AUBURN SWIMMING POOL

Auburn, Alabama, USA

A two-coat application of Xypex Concentrate and Modified was spray-applied to the 40,000 sq. ft. concrete surface of this University swimming pool. The Xypex coating was subsequently sandblasted off two months later. The pool was then filled. Hydrostatic pressure-testing confirmed that the Xypex crystalline process had successfully penetrated the concrete and no water seepage was evident.



VANCOUVER ART GALLERY

Vancouver, B.C., Canada

Vancouver's historic court house underwent a major alteration over a three year period to become the new Vancouver Art Gallery. Xypex was used to waterproof the large underground vault which will be used for storage of art works. The photograph shows the Xypex-treated roof of the vault prior to landscaping. In addition, Xypex was used to waterproof approximately 1,860 m² (20,000 ft²) of decks and planters located at the rear of the building.



KITA ADACHI AUTOMOBILE SCHOOL

Tokyo, Japan

Xypex Concentrate and Modified were applied in two coats to the roof of this automobile assembly school. This roof is exposed to extreme cold temperature during winter season.



HOLLYWOOD CASINO

Shreveport, Louisiana, U.S.A.

Admix C-1000 "Red" was used to waterproof and color the top deck of this parking structure. A total of 70,000 ft² (6,400 m²) was treated with a total of 40,000 lbs. (18,100 kg) of pigmented Admix C-1000. No protection topping was provided.



BRISBANE'S SOUTHBANK

Brisbane, Australia

Located along the Brisbane River and the former site of 1988 Expo, Southbank has been redeveloped to form one of the city's premiere attractions. In 1998 Xypex secured the contract to provide waterproofing and durability to this new underground car park, photo taken during the final pour, in total nearly 6,500 m³ of Xypex treated concrete went into the top slab. Within 28 days of completion, 1-3 meter depth of soil will be placed over the car park together with hundreds of mature trees, returning the landscape to parklands. The main contractor is Multiplex Construction and the Owner is Brisbane Corporation.



TANK ROOF

Brastilava, Slovak Republic

FCM was used to waterproof the roofs of these tanks. It was also tested and shown to prevent gas leakage from the roofs. A total of 270 m² (2950 ft²) was treated.

A Xypex system's approach was also used to repair crack and prevent leakage in the walls of the tanks. This included Xypex Concentrate and Xypex FCM.



TRIBHUYAN INT'L AIRPORT ROOF DECK

Kathmandu, Nepal

Xypex was used to waterproof construction joints, pipe intrusions, and terrace-roof decks. This project was completed in 1999.



CATHEDRAL OF CHRIST THE SAVIOUR

Moscow, Russia

This historic church was re-built on the exact site and to the exact design of the original church. Due to its location, adjacent to the Moscow River, it experienced tremendous hydrostatic pressure and was unable to keep water out of this foundation. Xypex was applied to the foundation, underground parking structure, plaza deck, pump station and pipe galleries. Total Xypex application involved 16,500 m² (180,000 ft²). Products included: Xypex Concentrate, Modified, Patch'n Plug and FCM (Flexible Cementitious Membrane). FCM was used on the joints or interface of the plaza deck and the brick work.



PUTRA MOSQUE

Putrajaya, Malaysia

600 m³ of Xypex Admix C-2000 was used to waterproof and protect the water tank of this Mosque.



MOSCOW WAR MEMORIAL

Moscow, Russia

Xypex products were used to waterproof the inside surfaces of the concrete, reinforced concrete and brick underground structures. These structures included the water-gauge point, transport tunnel, dispatching office, pump station and several fountains. The joints and cavities were filled with water due to leaks caused by high hydrostatic pressure.



TELSTRA TOWER

Mt. Wellington, Hobart, Australia

This concrete tower is approximately 67 meters high, 13.5 meters diameter at the base and approximately 6.3 meters diameter at the top of the concrete section. Total tower height is approximately 131 meters. Adverse and dynamic weather conditions (Mt Wellington is approximately 700 meters above sea level) encountered during construction included below freezing temperatures, snow, sleet, and very high wind velocity. Due to access, time from batching of concrete to delivery on site was frequently in excess of normal timeframes expected. As a result of site difficulties, areas of boney concrete and cold joints defects in particular were experienced. It was decided that durability for the repair in this aggressive environment is a priority issue. Xypex products were selected on their ability to rehabilitate the structure whilst addressing these issues.



TEHARJE MONUMENT

Slovenia

Xypex products were applied to the exterior concrete surface of the monument roof which was leaking heavily.



DEW POND

Sussex, England

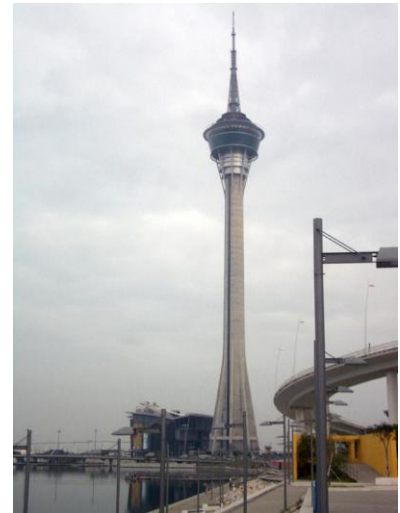
This 100 year old structure which had severe deterioration (badly spalled and cracked) was repaired with Xypex. Xypex Patch'n Plug was used to repair the cracks and defective areas then Xypex Concentrate was applied as a slurry coat over the entire surface.



MACAU TOWER

Macau, China

Xypex products were used to waterproof and protect the foundations of this structure.



NATIONAL MILLENNIUM MONUMENT

Beijing, China

The National Millennium Monument was designed to announce and welcome the 21st Century. All the exposed surfaces of the monument were treated with Xypex Concentrate and Modified.



THE MUNICIPAL HOUSE

Czech Republic

The Municipal House (built 1905-1911) is one of Prague's most valuable cultural and architectural treasures. During the building's total reconstruction, Xypex products were used to ensure the waterproofing qualities of the reservoirs and utility tunnels under the buildings.

