

=====

CUSTOM REPORT SELECTION

* METROPOLITAN MASS TRANSIT SYSTEM

No: 08560

	ANTWERP
Owner	MIVA - B.S.D. METRO
Designer	M.I.V.A. ENGINEERING DEPT
Contractor	C.V. MECOMA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	26,000 LBS
Completed	1991
Comments	XYPEX PRODUCTS WERE USED TO SEAL ENTRANCE AND EXIT PORTALS ON ALL 12 STATIONS. DIFFERING CONSTRUCTION METHODS IN THE TUNNEL AND STATION PORTIONS ALLOWED STRONG GROUND WATER INGRESS AT THE JOINTS AND XYPEX WAS SPECIFIED FOR USE AFTER EXTENSIVE TESTING. WORK WAS CARRIED OUT AT DEPTHS OF 65 TO 185 FT BELOW THE WATER TABLE.

* FRESUS TUNNEL

No: 02603

	FRESUS
Proj. Type	TUNNELS & SUBWAY SYSTEMS VAULTS & ELEVATOR PITS
Comments	SECONDARY TREATMENT OF THE VENTILATION DUCTS.

* GENERAL ELECTRIC/CTRL PUERTO NUEVO DE CICIOS CONVI

No: 11601

	BUENOS AIRES
	ARGENTINA
Owner	GENERAL ELECTRIC
Designer	TECHINT, S.A.
Contractor	TECHINT, S.A.
Applicator	TECHINT, S.A.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1998
Comments	ALL TUNNELS AND WATER SUPPLY STRUCTURES, WITH WALLS 0.65 METERS THICK, WERE TREATED WITH XYPEX ADMIX C-2000. BASEMENT STRUCTURES WERE TREATED WITH XYPEX CONCENTRATE.

* CONVENTILLO DE LA PALOMA - HISTORICAL BUILDING

No: 11125

	SAN TELMO, B.A.
	ARGENTINA
Applicator	INTPRO, SRL
Proj. Type	HOUSE BASEMENTS
	TUNNELS & SUBWAY SYSTEMS
Comments	THE FAMOUS 1830 UNDERGROUND BLDG. WAS STORED/WATERPROOFED AGAINST WATER SEEPAGE IN THIS HIGH WATER TABLE AREA. TUNNELS CONNECTING VARIOUS HOUSES WERE REHABILITATED WITH PONY WALLS TO SHORE UP OLD STRUCTURES. ADMIX C2000 WAS ADDED TO THE CONCRETE, FOLLOWED BY COATS OF MODIFIED & CONCENTRATE. "LA PALOMA" IS SUBJECT OF TANGO SONGS, LITERATURE, ETC.

* HOMEBUSH BAY ZONE SUB-STATION

No: 11677

	HOMEBUSH BAY
	AUSTRALIA
Designer	TAYLOR, THOMSON, WHITTING
Contractor	ENERGY AUSTRALIA
Applicator	DEMARTIN & GASPARINI/POLYSEAL
Proj. Type	NUCLEAR & POWER GENERATING STATIONS
	TUNNELS & SUBWAY SYSTEMS
Completed	Late 1998
Comments	ELECTRICAL SWITCHING STATION AND TUNNELS. XYPEX ADMIX C-2000NF APPLIED TO BELOW GROUND TUNNELS HOUSING HIGH VOLTAGE ELECTRICITY CABLES FOR OLYMPIC PRECINCT AND SURROUNDING SUBURBS. THIS SITE IS SUBJECT TO HIGH WATER TABLE.

* SWAN PORTLAND CEMENT LTD.

No: 09741

	KWINANA
	AUSTRALIA
Owner	SWAN PORTLAND CEMENT LTD.
Designer	VAN DE MEER & ASSOCIATES
Contractor	UNITED CONSTRUCTION
Applicator	PERMATECH
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	450 CU. METERS
Comments	ADMIX C-1000 WAS USED IN THE CONCRETE OF THE TUNNEL UNDER THE CLINKER STOCKPILE WHICH IS BELOW THE WATER TABLE. THE FLOOR WALL JOINTS WERE TREATED WITH CONCENTRATE.

* DOMAIN TUNNEL/YARRA CROSSING - STAGE 1 AND 2

No: 11683

	MELBOURNE
	AUSTRALIA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	ADMIX C-1000NF WAS USED TO WATERPROOF THE CONCRETE PAVEMENT AND LINING OF THE DOMAIN TUNNEL IN THE SECTION OF YARRA CROSSING STAGE 1. STAGE 2 OF THE SAME TUNNEL (CUT & COVER CONSTRUCTION) USED CONCENTRATE/MODIFIED COATINGS ON WALL SEGMENTS. XYPEX DS1 CONCENTRATE WAS USED ON THE HORIZONTAL SURFACES OF THE CONCRETE PAVEMENT AND ROOF SEGMENTS.

* SYDNEY HARBOUR TUNNEL

No: 08315

	SYDNEY
	AUSTRALIA
Owner	SYDNEY HARBOUR TUNNEL COMPANY LIMITED
Contractor	TRANSFIELD-KUMAGAI GUMI JOINT VENTURE
Applicator	SEAL-MAX CONCRETE WATERPROOFING
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1992~1999
Comments	EXTENSIVE HAIRLINE CRACK REPAIR UNDERTAKEN WHEN OTHER PRODUCTS FAILED TO SEAL WATER SEEPAGE. TWO WORK CREWS SPENT APPROXIMATELY THREE MONTHS IN THE TUNNEL USING BOTH PATCH N' PLUG AND XYPEX CONCENTRATE TO STOP LEAKS. 52 PRODUCTS WERE TESTED AND XYPEX WAS THE ONLY ONE THAT PASSED. REPAIR STARTED IN 1991 AND COMPLETED 1999.

* SPENCER STREET SUBWAY

No: 03073

	AUSTRALIA
Owner	VLINE
Contractor	THE MET
Applicator	THE MET
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1986
Comments	THIS SUBWAY LEAKED TO SUCH AN EXTENT THAT IT HAD TO BE CLOSED FREQUENTLY. SINCE TREATMENT WITH XYPEX, THERE HAVE BEEN NO LEAKS PRESENT.

* JOINTING PRE-CAST SUBWAY SECTIONS

No: 03083

	MENTONE
	AUSTRALIA
Owner	METRALL
Contractor	METRALL
Applicator	METRALL
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1989
Comments	XYPEX IS BECOMING THE STANDARD PROCEDURE FOR WATERPROOFING THE JOINT BETWEEN IN-SITU AND PRE-CAST CONCRETE BRIDGE SECTIONS.

* SOFIA SUBWAY SYSTEM

No: 09833BGR101

	SOFIA
	BULGARIA
Owner	MUNICIPALITY OF SOFIA
Contractor	"METROPOLITEN" CO.
Applicator	ING. MEDAROV
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1999
Comments	SEVERE LEAKAGE PROBLEMS CAUSED BY UNDERGROUND WATER PRESSURE CAUSED CONCRETE SEGMENTS OF THE TUNNEL RING TO BECOME DEFECTIVE AND DEVELOP SEVERE LEAKAGE PROBLEMS. XYPEX PATCH 'N PLUG WAS USED TO REPAIR CRACKS THEN A COAT OF CONCENTRATE WAS APPLIED.

* HIGHWAY CARVALHO PINTO TUNNELS

No: 11006

	JACAREI
	BRAZIL
Owner	DESENVOLVIMENTO RODOVIARIO S.A. (DERSA)
Contractor	CBPO-CIA. BRASILEIRA DE PROJETOS E OBRAS
Applicator	PIRES & GIOVANETTI ENGENHARIA E ARQUITETURA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	15,000 SQ METRES
Comments	XYPEX PATCH 'N PLUG WAS USED TO SEAL ALL WATER SEEPAGES UNDER HIGH AND MODERATE PRESSURE. A TWO COAT APPLICATION OF XYPEX CONCENTRATE AND MODIFIED WAS THEN SPRAYED OVER THE SURFACE.

* LINHA AMARELA TUNNEL

No: 10071

	RIO DE JANEIRO
	BRAZIL
Owner	RIO DE JANEIRO CITY HALL
Contractor	OAS ENGENHARIA S.A.
Applicator	PIRES & GIOVANETTI ENGENHARIA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	25,000 SQ METRES
Completed	July 1996
Comments	EXCAVATION OF TUNNELS IN AN AREA OF FRACTURED ROCK MEASURING 25,000 SQ. METERS. THE AREA WAS TREATED WITH TWO COATS OF XYPEX CONCENTRATE.

* SAO PAULO METRO SYSTEM - JOSE BONIFACIO TUNNEL

No: 10396

	SAO PAULO
	BRAZIL
Owner	SAO PAULO METROPOLITCAN COMPANY (METRO-SP)
Contractor	COMPANHIA BRASILEIRA DE PROJETOS E OBRAS
Applicator	PIRES & GIOVANETTI ENGENHARIA E ARQUITETURA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	5,000 SQ METRES
Completed	June/1997
Comments	TREATMENT OF INFILTRATION OF THE TUNNEL SURFACE (SHOTCRETE) USING XYPEX CONCENTRATE AND MODIFIED. PATCH 'N PLUG WAS USED TO SEAL ALL INFILTRATIONS AND DRAINS.

* AYRTON SENNA TUNNEL COMPLEX

No: 10009

	SAO PAULO
	BRAZIL
Owner	SAO PAULO CITY HALL (EMURB)
Contractor	CONSTRAM ENGENHARIA
Applicator	PIRES & GIOVANETTI ENGENHARIA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	8,000 SQ METRES
Completed	09/01/96
Comments	TUNNEL PASSES UNDER LAGOON IN IBIRAPUERA PARK. A 2-COAT APPLICATION OF SHORCRETE, 30 CM. THICK, WAS APPLIED TO A LENGTH OF 2,800 METERS IN TWO SEPARATE TUBES IN THE TUNNEL. PATCH 'N PLUG WAS USED TO SEAL ALL WATER SEEPAGE UNDER MODERATE PRESSURE.

* SAO PAULO SUBWAY SYSTEM - PAULISTA EXTENSION

No: 11000

	SAO PAULO
	BRAZIL
Owner	SAO PAULO METROPOLITAN COMPANY
Contractor	COMPANHIA BRASILEIRA DE PROJETOS E OBRAS
Applicator	COMPANHIA BRASILEIRA DE PROJETOS E OBRAS
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	40,000 SQ METRES
Comments	XYPEX PATCH 'N PLUG WAS APPLIED TO TREAT CRACKS AND INFILTRATIONS, FOLLOWED BY A SPRAY APPLICATION OF XYPEX CONCENTRATE AND MODIFIED TO THE ENTIRE SURFACE.

* MIGUEL REALE TUNNEL

No: 11002

	SAO PAULO
	BRAZIL
Owner	ELECTROPAULO-ELETRICIDADE DE SAO PAULO S.A.
Contractor	ENGEFORM CONTRUCOES E COMERCIO/CONSTRUTORA-
Applicator	ENGEFORM CONTRUCOES E COMERCIO/CONSTRUTORA-
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	7,000 METERS
Comments	OVER 35 TONS OF XYPEX CONCENTRATE AND PATCH 'N PLUG WAS USED TO TREAT THE INFILTRATIONS OF THE TUNNEL THAT MEASURES 2.4 METERS IN DIAMETER AND 7,000 METERS LONG.

* JANIO QUADROS AND SEBASTIAO CAMARGO TUNNELS

No: 09693

	SAO PAULO
	BRAZIL
Owner	SAO PAULO CITY HALL (EMURB)
Contractor	CAMARGO CORREA ENGENHARIA
Applicator	PIRES & GIOVANETTI ENGENHARIA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	2,600 SQ METRES
Completed	10/01/1995
Comments	XYPEX PATCH 'N PLUG WAS USED TO SEAL 1,700 POINTS OF WATER SEEPAGE UNDER HIGH PRESSURE. TWO COATS OF XYPEX WAS THEN APPLIED TO 2,600 SQ METERS OF SHOTCRETE BY SPRAY MACHINE.

* TRIBUNAL DE JUSTICA (SUPREME COURT OF STATE)TUNNEL No: 09692

SAO PAULO
BRAZIL
Owner SAO PAULO CITY HALL (EMURB)
Contractor CBPO - CIA. BRASILEIRA DE PROJECTOS E OBRAS
Applicator PIRES & GIOVANETTI ENGENHARIA
Proj. Type TUNNELS & SUBWAY SYSTEMS
Total 8,200 SQ METRES
Completed 01/09/1995
Comments XYPEX PATCH 'N PLUG WAS USED TO SEAL 3,100 POINTS OF WATER SEEPAGE WITH HIGH AND MODERATE PRESSURE. TWO COATS OF XYPEX CONCENTRATE WAS THEN APPLIED ON THE SHOTCRETE SURFACE OF THE TUNNEL WITH A SPRAY GUN.

* PORT OF SEPETIBA - IRON TRANSPORTATION TERMINAL No: 12097

SEPETIBA
BRAZIL
Owner CAMARGO CORREA/CBPS
Applicator PIRES, GIOVANETTI & GUARDIA ENGINHARIA
Proj. Type TUNNELS & SUBWAY SYSTEMS
VAULTS & ELEVATOR PITS
Total 21,000 KGS
Completed June 1999
Comments 21,100 KG. OF XYPEX PRODUCTS WAS PRODUCED TO WATERPROOF THE TUNNEL AND PIT OF THIS IRON TRANSPORTATION TERMINAL. 849 SQ.M. OF SLURRY COAT, 1,780 LINEAR METERS OF CRACKS AND CONSTRUCTION JOINTS, AND 3,526 DEFECTIVE CONCRETE POINTS WERE TREATED WITH THE XYPEX SYSTEM.

* ROSSDALE INTAKE RELOCATION/TUNNEL REPAIRS No: 07780

EDMONTON, ALBERTA
CANADA
Owner CITY OF EDMONTON
Designer REID CROWTHER & PARTNERS
Contractor CITY OF EDMONTON
Applicator CITY OF EDMONTON - DEPARTMENT OF PUBLIC WORKS
Proj. Type SEWAGE & WASTEWATER TREATMENT PLANTS
TUNNELS & SUBWAY SYSTEMS
Total 440 METERS
Comments CAST-IN-PLACE 1.5M WATER PIPE. PROPOSAL IS TO USE XYPEX FOR JOINT REPAIR AND THEIR ONGOING MAINTENANCE PROGRAM

* 109th STREET RATHOLE TUNNEL

No: 02288

	EDMONTON, ALBERTA
	CANADA
Designer	CITY OF EDMONTON
Contractor	WELLS CONSTRUCTION
Applicator	SUMCON WATERPROOFING LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	30,000 SQ FT
Completed	1983

* O.B. HUTTERITE COLONY

No: 08380

	KITSCOTY, ALBERTA
	CANADA
Owner	O B HUTTERITE COLONY
Applicator	OWNER
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	2800 LIN FT
Comments	JULY 1995: AS PER GARY PLUNKETT: ALTHOUGH SOME PATCH 'N PLUG HAS BEEN USED, COST HAS DELAYED COATINGS APPLICATION.

* UNITED OILSEED PRODUCTS LTD.

No: 02103

	LLOYDMINSTER, ALBERTA
	CANADA
Applicator	ALTASK CONCRETE WPG. LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	LEAKAGE REPAIR IN ONE OF THE UNDERGROUND TUNNELS. TWO COATS OF XYPEX WERE ALSO APPLIED TO WALLS AND FLOORS OF TUNNEL.

* ALCAN ALUMINUM OF CANADA

No: 02307

	KITIMAT, BRITISH COLUMBIA
	CANADA
Applicator	E.C.W.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	AREAS OF APPLICATION : XYPEX PRODUCTS WERE USED TO REPAIR LEAKAGE THROUGH CONSTRUCTION JOINTS AND EXPANSION JOINTS IN THE TUNNEL UNDER STORAGE SILOS. A XYPEX CONCENTRATE COATING WAS ALSO APPLIED TO THE INTERIOR OF THE TUNNEL TO TREAT HAIRLINE CRACK

* LIONS GATE HOSPITAL

No: 02096

	N. VANCOUVER, BRITISH COLUMBIA
	CANADA
Contractor	GRIMWOOD CONSTRUCTION LTD
Applicator	INDUSTRIAL WPG. SYSTEMS
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX APPLICATION FOLLOWED A MEMBRANE FAILURE AND A VANDEX FAILURE. TUNNEL CONNECTS TWO HOSPITALS TO EACH OTHER FROM UNDER THE ROAD.

* NEPTUNE TERMINALS - CONVEYOR TUNNELS

No: 09732

	NORTH VANCOUVER, BRITISH COLUMBIA
	CANADA
Owner	NEPTUNE TERMINALS
Applicator	TRORY CONSTRUCTION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	15,000 SQ FT
Completed	1991
Comments	A TWO COAT APPLICATION OF XYPEX CONCENTRATE AND MODIFIED WAS APPLIED TO 15.000 SQ. FT. OF A CONVEYOR TUNNEL AT THIS BULK TERMINAL . THE TUNNEL IS APPROXIMATELY 20 FEET BELOW GROUND AND SUBJECT TO TIDAL ACTION OF UP TO 8 FEET AS IT IS LOCATED RIGHT BESIDE THE OCEAN.

* FRASER VALLEY FLOOD CONTROL

No: 02104

	PORT COQUITLAM, BRITISH COLUMBIA
	CANADA
Contractor	VAN BORNE CONSTRUCTION
Applicator	ECW
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1979
Comments	LEAKAGE THROUGH JOINTS AND CRACKS IN FLOOD CONTROL TUNNELS WAS SEALED WITH XYPEX.

* TUNNEL REPAIR

No: 02230

	PORT COQUITLAM, BRITISH COLUMBIA
	CANADA
Owner	FRASER VALLEY FLOOD CONTR
Contractor	VAN BOURNE CONST.
Applicator	E.C.W.LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX PRODUCTS WERE USED FOR THE REPAIR OF THE FLOOD CONTROL TUNNELS TO STOP LEAKAGE THROUGH JOINTS IN THE STRUCTURE.

* CONVEYOR TUNNEL

No: 02106

	TILLBURY ISLD, BRITISH COLUMBIA
	CANADA
Owner	INLAND CEMENT
Designer	BACM DEVELOPMENT COMPANY
Applicator	ECW
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	4,500 SQ FT
Completed	1979

* INLAND CEMENT PLANT

No: 02105

	TILLSBURY ISLD, BRITISH COLUMBIA
	CANADA
Designer	BACM DEVELOPMENT COMPANY
Contractor	DILLINGHAM CORPORATION
Applicator	PACIFIC E.C.W. LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX WAS APPLIED TO CONCRETE WALLS, FLOORS AND JOINTS OF CONVEYOR TUNNEL.

* SASKATCHEWAN WHEAT POOL

No: 02215

	VANCOUVER, BRITISH COLUMBIA
	CANADA
Owner	SAME
Applicator	E.C.W.
Proj. Type	TUNNELS & SUBWAY SYSTEMS FOUNDATION WALLS & FLOORS
Total	650 LBS
Completed	1981

* SASKATCHEWAN WHEAT POOL

No: 01635

	VANCOUVER, BRITISH COLUMBIA
	CANADA
Owner	SAME
Applicator	E.C.W.
Proj. Type	FOUNDATION WALLS & FLOORS TUNNELS & SUBWAY SYSTEMS
Total	650 LBS
Completed	1981
Comments	C AND R CRACKS AND CONSTRUCTION JOINTS IN LOWEST UNDERGROUND LEVEL OF GRAIN ELAVATORS

* PRAIRIE CREEK PROJECT MINESITE

No: 02258

	NW TERRITORIES
	CANADA
Owner	CADILLAC EXPLORATIONS
Designer	KILBORN ENGINEERING
Proj. Type	TUNNELS & SUBWAY SYSTEMS FOUNDATION WALLS & FLOORS
Completed	1981

* HIGHLAND CREEK POLLUTION PLANT ADDITION

No: 01879

	HIGHLAND CREEK, ONTARIO
	CANADA
Owner	CITY OF HIGHLAND CREEK
Designer	PROCTER & REDFERN
Contractor	PIGGOTT CONSTRUCTION
Applicator	APRIL WATERPROOFING LTD.
Proj. Type	SEWAGE & WASTEWATER TREATMENT PLANTS TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX CONCENTRATE WAS APPLIED TO ALL EFFLUENT CHANNELS, CONNECTING TUNNELS AND DIGESTER TANKS.

* THUNDER BAY POLLUTION PLANT

No: 01883

	THUNDER BAY, ONTARIO
	CANADA
Owner	CITY OF THUNDERBAY
Designer	MACLAREN ENGINEERS
Contractor	COLAVINO BROS. CONSTR.
Applicator	APRIL WATERPROOFING LTD.
Proj. Type	SEWAGE & WASTEWATER TREATMENT PLANTS TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX CONCENTRATE WAS APPLIED TO EXTERIOR FOUNDATION WALLS, UNDERGROUND TUNNELS, DIGESTORS, AERATION TANKS, GRIT BINS, EFFLUENT CONDUITS AND ROOF SLABS.

* HUMBER TREATMENT PLANT

No: 01885

	TORONTO, ONTARIO
	CANADA
Owner	SAME
Designer	GORE & STORIE ENGINEERING
Contractor	ELLIS - DON LIMITED
Applicator	APRIL WATERPROOFING LTD.
Proj. Type	SEWAGE & WASTEWATER TREATMENT PLANTS TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX WATERPROOFING TREATMENT WAS APPLIED TO DIGESTER TANKS, TUNNELS AND SLABS ON GRADE.

* SHERRIT GORDON MINE

No: 08792

	FORT SASKATCHEWAN, SASKATCHEWAN
	CANADA
Owner	SHERRIT GORDON MINE
Designer	SGM ENGINEERING
Contractor	GORD GUNTHER CONSTRUCTION
Proj. Type	VAULTS & ELEVATOR PITS TUNNELS & SUBWAY SYSTEMS
Total	880 LIN FT
Completed	Dec. 1994

* SEPARATION / COMMUNICATION CHANNEL

No: 02112

	BASEL
	SWITZERLAND
Owner	CIBA GEIGY CHEMICAL
Designer	AFGERTER AND BOSSHARD
Contractor	MARTI AQ BASEE
Applicator	XYPEX CHEMICALS (EUROPE)
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1980

* GRIMSEL HYDRO POWER STATION

No: 02089

	GRIMSEL
	SWITZERLAND
Owner	KWO KRAFTWERKE OBERHASLI AG
Designer	I.U.B. INGENIEUR NEHMUNG AG BERN
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	RESERVOIRS
Comments	XYPEX USED AT 10- ON CABLE CAR STATION, WHICH IS BUILD INTO ROCK, SHOTCRETE TUNNEL SECTION, VALVE HOUSE AND POWER HOUSE 3 KM INSIDE MOUNTAIN, FRESH WATER RESERVOIR, ENTRANCEWAYS, MACHINE ROOMS, CHANNELS, RETAINING WALLS AND TRANSFORMER STATIONS AND PITS.

* GRIMSEL HIGHWAY TUNNEL

No: 02114

	GRIMSELL
	SWITZERLAND
Applicator	XYPEX CHEMICALS (EUROPE)
Proj. Type	TUNNELS & SUBWAY SYSTEMS

* CONVENTO VIEJO RESERVOIR - WATER SPILLWAY TUNNEL

No: 10423

	CHILE
Owner	MINISTRY OF PUBLIC WORKS - IRRIGATION DEPARTMENT
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	April 1994
Comments	THE WATER SPILLWAY TUNNEL, LOCATED 300 KM. SOUTH OF SANTIAGO ON THE COASTAL MOUNTAINS, REQUIRED REPAIRS TO BE DONE TO THE CONCRETE JOINTS. THIS WAS CARRIED OUT BY THE USE OF XYPEX PATCH 'N PLUG, FOLLOWED BY A COAT OF XYPEX CONCENTRATE.

* YIN RUAN RU JIN WATER TUNNEL No: 10315

Proj. Type	PEOPLE'S REP. OF CHINA TUNNELS & SUBWAY SYSTEMS
------------	--

* XIYI CIRCUIT WATERPROOFING IN XIZIMEN SUBWAY STATN No: 11404

Owner	BEIJING PEOPLE'S REP. OF CHINA
Applicator	BEIJING SUBWAY CO.
Proj. Type	BEIJING CHENRONG WATERPROOFING MATERIAL CO. LTD. TUNNELS & SUBWAY SYSTEMS
Total	35 SQ METRES

* BEIJING SUBWAY HEAT & POWER PLANT STATION No: 11384

Owner	BEIJING PEOPLE'S REP. OF CHINA
Designer	BEIJING SUBWAY
Contractor	BEIJING CHENJIAN DESIGN & RESEARCH INSTITUTE
Applicator	BEIJING SUBWAY
Proj. Type	BEIJING SUBWAY TUNNELS & SUBWAY SYSTEMS NUCLEAR & POWER GENERATING STATIONS
Completed	04/1995
Comments	XYPEX CONCENTRATE WAS APPLIED ON A TRIAL BASIS.

* QINGDAO RAILWAY STATION YIQUN UNDERGROUND CITY No: 11388

Owner	SHANDONG QINGDAO PEOPLE'S REP. OF CHINA
Designer	QINGDAO SUBWAY
Proj. Type	BEIJING CHENJIAN DESIGN & RESEARCH INSTITUTION TUNNELS & SUBWAY SYSTEMS
Completed	Aug. 1996
Comments	XYPEX CONCENTRATE AND PATCH 'N PLUG WAS APPLIED ON A TRIAL BASIS.

* SHANGHAI NEW RAILWAY STATION

No: 11390

	SHANGHAI
	PEOPLE'S REP. OF CHINA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	12 SQ METRES
Completed	June 1996
Comments	XYPEX CONCENTRATE AND PATCH 'N PLUG WAS USED ON A TRIAL BASIS.

* SHANGHAI GUJIANG TUNNEL

No: 11407

	SHANGHAI
	PEOPLE'S REP. OF CHINA
Applicator	SHANGHAI TUNNEL CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS

* HUANGPUJIANG ZEBRA CROSSING TUNNEL PROJECT

No: 11411

	SHANGHAI
	PEOPLE'S REP. OF CHINA
Owner	SHANGHAI WEITIE BUILDING MATERIALS CO. LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS

* SHANGHAI CHANGSHU SUBWAY STATION

No: 09086

	SHANGHAI
	PEOPLE'S REP. OF CHINA
Owner	SHANGHAI SUBWAY MANAGEMENT CO.
Contractor	SHANGHAI SUBWAY MANAGEMENT CO.
Applicator	SHANGHAI SUBWAY MANAGEMENT CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	200 KM. SUBWAY
Completed	06/01/94
Comments	WATER INTRUSION REPAIR AT COLD JOINT BETWEEN CEILING AND WALL. XYPEX CONCENTRATE & PATCH 'N PLUG CRACK REPAIR SYSTEM USED TO SEAL WATER FROM ENTERING INTO THE SUBWAY STATION. XYPEX 100% SUCCESSFUL. PREVIOUS ATTEMPTS USING OTHER RODUCTS HAD FAILED.

* TIAN JIN YINLAN WATER TUNNEL

No: 11386

	TIANJIN
	PEOPLE'S REP. OF CHINA
Designer	TIANJIN WATER CONSERVATORY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	July 1996
Comments	XYPEX CONCENTRATE AND PATCH 'N PLUG WAS APPLIED ON A TRIAL BASIS.

* METRO STATION - TRACK B

No: 10400CZE252

	HURKA, PRAGUE
	CZECH REPUBLIC
Contractor	METROSTAV A.S.
Applicator	ABV S.R.O.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	Nov. 1994
Comments	SEEPAGE OF WATER INTO THE CONCRETE CONSTRUCTION OF THE METRO STATION (IN TUNNELS AND MACHINE ROOM) WAS SUCCESSFULLY REPAIRED WITH THE USE OF XYPEX CONCENTRATE, MODIFIED AND PATCH 'N PLUG.

* TUNNEL

No: 02489

	HANOVER
	GERMANY
Applicator	BENECKE
Proj. Type	TUNNELS & SUBWAY SYSTEMS

* PRESA DE VAULE-PERIPA

No: 08121

	MANUBI PROVINCE
	ECUADOR
Owner	C.E.D.E.G.E.
Designer	TAMS ENGINEERING
Contractor	CONSTRUCTORA AGROMAN
Proj. Type	DAMS
	TUNNELS & SUBWAY SYSTEMS
Total	18,000 METERS
Comments	XYPEX USED TO PREVENT DETERIORATION OF THE CONCRETE IN THE DIVERSION TUNNEL CAUSED BY "GAS SULFIDRICO" PRODUCED BY THE DECOMPOSITION OF "LECHUGIN", A PLANT FOUND IN THOSE WATERS.

* PARIS METRO SYSTEM

No: 08561

	PARIS
	FRANCE
Owner	PARIS METRO
Designer	PARIS METRO
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1987
Comments	XYPEX PRODUCTS WERE USED TO SEAL CRACKS, JOINTS AND WATER INFILTRATION IN VARIOUS AREAS OF THE NEW AND OLD SUBWAY TUNNELS AND STATIONS IN THIS SYSTEM. THE SUCCESS OF THESE REPAIRS WAS A STRONG FACTOR IN THE SELECTION OF XYPEX BY THE CITY OF ANTWERP FOR USE IN THEIR REMEDIAL PROGRAM.

* TUNNEL OF THE CHAMOISE NANTUA

No: 02600

	CHAMOISE NANTUA
	FRANCE
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	THANET APPLICATOR. TREATMENT OF FISSURES IN THE VENTILATION DUCTS OF THE TUNNEL (300 ML FISSURES). HEIGHT OF DUCT - 100 METERS.

* MARSEILLE METRO (BOUCHES DU RHONE)

No: 02427

	MARSEILLE
	FRANCE
Contractor	ARPEC
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	4,000 SQ METRES
Comments	LINING OF THE LOWER LEVEL IN TERMINAL. REPAIR OF WATER INFLUX.

* CHAMBERLAIN SQUARE TUNNEL

No: 02535

	BIRMINGHAM
	UNITED KINGDOM
Applicator	CANBRI TECHNOLOGIES
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	VAULTS & ELEVATOR PITS
Comments	XYPEX CRYSTALLINE SYSTEM USED TO REPAIR WATER INGRESS AT VARIOUS AREAS OF TUNNEL.

* KEDBACK COAL MINE

No: 02538

	SOUTH WALES
	UNITED KINGDOM
Owner	NATIONAL COAL BOARD
Applicator	CANBRI TECHNOLOGIES
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	VAULTS & ELEVATOR PITS
Comments	OPEN-CAST COAL TREATMENT PLANT WITH UNDERGROUND CHAMBER. CONSIDERABLE LEAKAGE SOME FORMING FOUNTAINS OF WATER. CRACKS TREATED WITH PATCH'N PLUG, SLURRY OF CONCENTRATE, COMPLETELY SUCCESSFUL.

* M & R ISLAND LINE MASS TRANSIT TUNNEL

No: 02677

	HONG KONG
Contractor	GAMMON (H.K.) LTD
Applicator	SEALAND WATERPROOFING ENGINEERS CO. LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1985
Comments	TUNNEL WALL CRACKS WERE TREATED WITH XYPEX.

* PEDESTRIAN TUNNEL - UNIVERSITY RAILWAY STATION

No: 02832

	SHATIN
	HONG KONG
Contractor	SEALAND WATERPROOFING LTD
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1983

* POWER PLANT SZASZHALOMBATTA

No: 11145HUN101

	DUNAI HOEROMU
	HUNGARY
Owner	DUNAI HOEROMU RT. (JSC.)
Contractor	VEGYEPSZER RT.,
Applicator	CHEM-BETON KFT.
Proj. Type	NUCLEAR & POWER GENERATING STATIONS
	TUNNELS & SUBWAY SYSTEMS
Total	4,500 SQ METRES
Completed	Jan. 1998
Comments	TWO COAT APPLICATION OF XYPEX CONCENTRATE WAS USED TO WATERPROOF AN UNDERGROUND WATER-CARRYING CHANNEL (200 M. LONG) SEPARATED BY A CONCRETE WALL FROM A CHANNEL SERVING AS A UTILITY TUNNEL. AFTER 6 MONTHS IN OPERATION THERE WERE NO SIGNS OF WATER LEAKAGE INTO THE UTILITY CHANNEL.

* SAMARANG POWER GENERATING STATION

No: 02244

	SAMARANG
	INDONESIA
Designer	BLACK & VEATCH INTERNATIONAL
Contractor	P.T.PEMBANGUNAN PERUMAHAN
Proj. Type	CONCRETE PIPE
	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX WAS APPLIED TO ALL CONSTRUCTION JOINTS ON 6,000 METRE WATER PIPE.

* BASTIA ROAD TUNNEL

No: 02428

	CORSICA
	ITALY
Contractor	SIREC
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX TREATMENT OF CONCRETING BELOW SEA-LEVEL.

* AOMORI CITY TUNNEL

No: 08394

	AOMORI
	JAPAN
Owner	AOMORI CITY
Contractor	JAPAN XYPEX
Applicator	JAPAN XYPEX CO. LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	4,075 CU METERS
Completed	1996
Comments	TO PREVENT WATER LEAKAGE FROM THE CRACKS AND DETERIORATED CONSTRUCTION JOINTS OF THE ORIGINAL BOX CULVERT TUNNEL, XYPEX ULTRA-PLUG WAS APPLIED, FOLLOWED BY AN APPLICATION OF XYPEX CONCENTRATE TO THE ENTIRE SURFACE TO REINFORCE THE BOX CULVERT TUNNEL, A U-SHAPED CONCRETE LINING, USING XYPEX ADMIX C-2000, WAS THEN INSTALLED.

* HAYASENO DAM AND TORIMIZU TUNNEL

No: 02864

	AOMORI PREF.
	JAPAN
Contractor	TAISEI BUILDING COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	DAMS
Completed	1985

* OKACHIMACHI TUNNEL

No: 08559

	TOKYO
	JAPAN
Owner	EAST JAPAN RAILWAY COMPANY
Designer	EAST JAPAN RAILWAY COMPANY
Contractor	KUMAGAI GUMI CO. LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1992
Comments	XYPEX PRODUCTS WERE USED TO WATERPROOF AREAS OF THIS TUNNEL WHICH RUN UNDER THE CENTRAL BUSINESS DISTRICT OF TOKYO AND FORMS A NEW ARTERY FOR JAPAN'S FAMED BULLET TRAIN LINKING THE MAIN TOKYO AND UENO STATIONS. PREVIOUS SUCCESS OF XYPEX ON KUMAGAI GUMI TUNNEL PROJECTS WAS A FACTOR IN ITS FURTHER SELECTION.

* KAMISIMIZU TUNNEL

No: 02858

	JAPAN
Contractor	MITSUI BUILDING COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1986

* SEIKANN TUNNEL

No: 02851

	AOMORI PREFECT.
	JAPAN
Contractor	KASHIMA BUILDING CO
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1984

* HUTAMATE TUNNEL

No: 02849

	AOMORI PREFECT.
	JAPAN
Contractor	KASHIMA / FUJITA JV
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1984

* TMABETSU TUNNEL

No: 02854

	AOMORI PREFECT.
	JAPAN
Contractor	KASHIMA BUILDING COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1985

* TSUGARU TUNNEL

No: 02848

	AOMORI PREFECT.
	JAPAN
Contractor	KASHIMA / FUJITA JV
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1984

* MINATO TUNNEL

No: 02857

	FUKUSHIMA PREF.
	JAPAN
Contractor	GYOU BUILDING COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1985

* TAKESAKE TUNNEL

No: 02856

	HIROSHIMA PREF.
	JAPAN
Contractor	OBAYASHI / KOKUDO JV JAPAN
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1985

* JOUZANKEI NO.6 TUNNEL

No: 02855

	HOKKAIDOU
	JAPAN
Contractor	TAKENAKA ITOU JV
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1985

* UKISHIMA TUNNEL

No: 02850

	HOKKAIDOU
	JAPAN
Contractor	MITSUI BUILDING CO
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1984

* TOMARIGENHATSU TUNNEL

No: 02853

	HOKKAIDOU
	JAPAN
Contractor	MAEDA BUILDING CO
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1984

* SHINNRYUU TUNNEL

No: 02847

	HOKKAIDOU
	JAPAN
Contractor	KUMAGAI CONST / IWATA JV
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1984

* TOYOHAME TUNNEL

No: 02846

	HOKKAIDOU
	JAPAN
Contractor	OTARU DEVELOPER
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1983

* TOYOHAME TUNNEL

No: 02845

	HOKKAIDOU
	JAPAN
Contractor	MAIDA / ARAI / ABE JV
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1983

* SHINRYUU TUNNEL

No: 02844

	HOKKAIDOU
	JAPAN
Contractor	KUMAGAI CO / IWATA BUILDING CO
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1982

* KIDAKA KIYOMI TUNNEL

No: 02760

	HOKKAIDOU
	JAPAN
Contractor	KUMAGAI CONSTRUCTION COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1981

* SEIKANN TUNNEL

No: 02759

	HOKKAIDOU
	JAPAN
Contractor	JAPAN PUBLIC RAILROAD COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1981

* RYUGASAKI TUNNEL

No: 02758

	IWATE PREF.
	JAPAN
Owner	JAPAN PUBLIC HIGHWAY COMPANY
Contractor	KUMAGAI CONSTRUCTION COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1981

* YOUKAITIBAMIYAGAWATUTUMI TUNNEL

No: 02860

	MIE PREFECTURE
	JAPAN
Contractor	ISW CITY OFFICE
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1986

* SHINOTAKE TUNNEL

No: 02861

	TOKYO
	JAPAN
Contractor	OKUTAMA BUILDING COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1986

* KINRO TUNNEL

No: 02859

	WAKAYAMA PREF.
	JAPAN
Owner	PUBLIC WORKS BUREAU
Contractor	WAKAYAMA PREFECTURE
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1986

* MITSUISHI TUNNEL

No: 02863

	WAKAYAMA PREF.
	JAPAN
Contractor	MINISTRY OF CONSTRUCTION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1986

* KENDOU YUSAKA TUNNEL

No: 02862

	WAKAYAMA PREF.
	JAPAN
Contractor	WAKAYAMA PREFECTURE
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1986

* AUTOMOBILE CLUB OF MONACO

No: 02602

	MONACO
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	CHEMICAL & CHLORIDE PROTECTION
Comments	INTERIOR LINING OF THE UNDERGROUND CAR PARK ADJACENT TO THE SEA.

* MEXICO CITY SUBWAY LINE B

No: 12136

	MEXICO CITY
	MEXICO
Owner	MEXICO CITY
Contractor	FESTER
Applicator	FESTER
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX PATCH 'N PLUG AND XYPEX CONCENTRATE WERE USED TO WATERPROOF EXTENSIVE WATER LEAKS THROUGHOUT THE SUBWAY'S LINE B.

* LRT 2-CENTRAL MARKET

No: 10507

	KUALA LUMPUR
	MALAYSIA
Contractor	SNC & GTMI JV
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	June 1998

* KUALA LUMPUR CITY CENTRE LRT STATION

No: 10508

	KUALA LUMPUR
	MALAYSIA
Contractor	LM/JDC JV
Applicator	EASTCHEM
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	Dec. 1997
Comments	24,000 METERS OF CONCENTRATE WAS BRUSHED ON SLAB. AS THE CULVERT IS SUSPENDED OVER A CAR PARK IT IS IMPORTANT THAT THERE BE NO LEAKAGES.

* DUTA PLAZA - LRT STATION

No: 09646

	KUALA LUMPUR
	MALAYSIA
Owner	CITY PROPERTIES SDN. BHD.
Designer	ARCH: GOH HOCK GUAN & ASSOC.
Contractor	MASCON SDN. BHD.
Applicator	EASTCHEM TECHNOLOGY (M) SDN. BHD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	BELOW GRADE CONCRETE BLOCK WALLS
Total	40,000 SQ METRES
Comments	LRT STATION BELOW COMMERCIAL AND RETAIL CENTRE (5 STORIES BELOW GRADE) LOWEST SLAB DS2 APPLICATION. TOTAL AREA 40,000 SQ. METERS. ALL BELOW GRADE.

* GRAND HYATT HOTEL LOCATION - LRT STATION

No: 09649

	KUALA LUMPUR
	MALAYSIA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	SECTION APPLIED WITH CONCENTRATE. YET TO RECEIVE CONFIRMATION RE REMAINNG WORK ON THE SITE. VANDEX WAS ALSO TESTED AT THIS SITE AND IT FAILED. APPLICATION SUPERVISED BY NEIL JONES OF CMW.

* NORWEGIAN NATIONAL RAILWAYS

No: 02113

	BERGEN
	NORWAY
Designer	MITTET
Applicator	NORDISK CON-SEAL A/S
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	200 SQ METRES
Completed	1981
Comments	ONE COAT OF CONCENTRATE AND ONE COAT OF MODIFIED WAS APPLIED IN THIS TUNNEL.

* PANAMA CANAL GATUN LOCKS CULVERTS

No: 09781

	PANAMA CITY
	PANAMA
Owner	PANAMA CANAL COMMISSION
Designer	PANAMA CANAL ENGINEERING DIVISION
Contractor	PANAMA CANAL MAINTENANCE DIVISION
Applicator	PANAMA CANAL MAINTENANCE DIVISION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	ADMIX PROJECTS
Comments	XYPEX ADMIX WAS ADDED TO THE SHOTCRETE MIX AND APPLIED TO ALL CULVERT (TUNNELS) SURFACES. THE ORIGINAL SPEC CALLED FOR APPLICATION OF XYPEX CONCENTRATE FOLLOWED BY SHOTCRETE, HOWEVER USE OF XYPEX ADMIX SIMPLIFIED THE PROCESS AND REDUCED COSTS.

* PANAMA CANAL - PEDRO MIGUEL LOCKS TRANSFORMER ROOM

No: 09949

	PANAMA CITY
	PANAMA
Owner	PANAMA CANAL COMMISSION
Designer	PANAMA CANAL ENGINEERING DIVISION
Applicator	PANAMA CANAL - MAINTENANCE DIVISION
Proj. Type	VAULTS & ELEVATOR PITS TUNNELS & SUBWAY SYSTEMS
Completed	1995
Comments	XYPEX CONCENTRATE AND MODIFIED WERE USED TO REPAIR AND TREAT THE WALLS OF THE TRANSFORMER ROOM OF THE PEDRO MIGUEL FLOODGATE ACCESS TUNNELS.

* RAILWAY/BUS STATION - TUNNEL LEAKS

No: 10671POL125

	GDANSK
	POLAND
Owner	ZARZAD DROG I ZIELENI
Designer	ABH NOMOS LTD.
Contractor	ABH NOMOS LTD.
Applicator	ABH NOMOS LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	100 SQ METRES
Completed	Sept. 1994
Comments	DUE TO A RISE IN THE GROUND WATER TABLE LEAKAGE OCCURRED ALONGSIDE A CAST IN PLACE CONCRETE STAIR CASE. XYPEX WAS USED TO WATERPROOF THE AREA.

* CITY HALL UNDERGROUND RAILWAY STATION

No: 11608POL126

	WARSAW
	POLAND
Owner	METRO WARSZAWSKIE
Designer	BIURO PROJEKTOW ARCHITEKTONICZNYCH I BUDOWLANYCH
Contractor	WARBUD S.A.
Applicator	ABH NOMOS
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	10,404 SQ METRES
Completed	Oct. 1999
Comments	THIS IS THE FIRST UNDERGROUND RAILWAY STATION IN POLAND TO BE WATERPROOFED USING XYPEX PRODUCTS. FOUNDATION PLATES, FLOOR SLABS, AND CONSTRUCTION JOINTS AT THE MAIN TUNNEL WERE WATERPROOFED. THE FOUNDATION AND FLOOR SLABS, THE WALLS AND CONSTRUCTION JOINTS AT FOUR EXIT TUNNELS WERE ALSO WATERPROOFED.

* SEWER TUNNELS - MADEIRA ISLANDS

No: 08558

Proj. Type	PORTUGAL TUNNELS & SUBWAY SYSTEMS SEWAGE & WASTEWATER TREATMENT PLANTS
Total	20,000 LBS
Completed	1993
Comments	OVER 20,000 LBS OF XYPEX MATERIAL WAS APPLIED TO THE SHOTCRETE SEWER TUNNELS ON THIS PROJECT. XYPEX WAS USED TO STOP WATER INFILTRATION INTO THE TUNNELS AND PROVIDE PROTECTION FROM THE CORROSIVE EFFECTS OF HYDROGEN SULFIDE GAS.

* COSTA DO ESTORIL-SANITATION SCHEME

No: 08555

Proj. Type	PORTUGAL TUNNELS & SUBWAY SYSTEMS SEWAGE & WASTEWATER TREATMENT PLANTS
Total	600,000 SQ FT
Completed	1993
Comments	THE SANITATION PROJECT BEING CONSTRUCTED IN THIS POPULAR PORTUGUESE HOLIDAY AREA IS DESIGNED TO PREVENT POLLUTION OF THE LOCAL BEACHES. IT CONSISTS OF 21 KMS OF SEWER TUNNELS AND PIPES WHICH FEED INTO A WASTE WATER TREATMENT PLANT. XYPEX WAS SPECIFIED FOR WATERPROOFING AND H2S PROTECTION.

* CERVEPAR (BREWERY) TUNNEL

No: 11598

Owner	ASUNCION PARAGUAY
Designer	CERVEPAR
Applicator	CERVECERIA QUILMES
Proj. Type	INTPRO SRL
Completed	TUNNELS & SUBWAY SYSTEMS
Comments	1996 THE JOINTS AND CONCRETE WALLS OF THE TUNNELS AND SUBWAY SYSTEM WERE REPAIRED AND WATERPROOFED WITH XYPEX PATCH 'N PLUG AND CONCENTRATE.

* CERVECERIA PARAGUAYA

No: 09908

Owner	IPANE PARAGUAY
Applicator	CERVEZERIA PARAGUAYA
Proj. Type	INTPRO S.R.L. TUNNELS & SUBWAY SYSTEMS

* PEDESTRIAN UNDERPASS

No: 10436

	MOSCOW
	RUSSIA
Owner	MOSCOW MUNICIPALITE
Designer	METROGIPROTRANS
Contractor	INTERAQUA LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	October 95
Comments	CONSIDERABLE STRUCTURAL DAMAGE OCCURRED AS A RESULT OF WATER SEEPING THROUGH JOINTS BETWEEN CONCRETE BLOCKS IN THE CEILING OF THE UNDERPASS. ALL JOINTS WERE SEALED WITH XYPEX PATCH 'N PLUG, FOLLOWED BY AN APPLICATION OF XYPEX CONCENTRATE TO THE SURFACE OF THE STRUCTURE.

* GOSTINY DVOR

No: 10761

	MOSCOW
	RUSSIA
Owner	GOSTINY DVOR
Designer	MOSPROEKT-2
Contractor	CENTROTRANSSTROY
Applicator	INTERAQUA, LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	FOUNDATION WALLS & FLOORS
Total	42,795 KGS
Completed	Dec. 1998
Comments	XYPEX MATERIALS WERE USED TO PROVIDE WATERPROOFING TO THE REINFORCED CONCRETE TUNNEL STRUCTURES. 7150 RUNNING MTR OF ABUTTING JOINTS, TECHNOLOGICAL JOINTS & EXPANSION JOINTS. 17,060 SQ.M. OF CONCRETE WALL SURFACES, OVERLAPPINGS, FLOORS. 1,670 SQ.M. SURFACES OF BRICKWORK.

* UTILITY TUNNELS - ELECTRICAL DISTRIBUTION

No: 10644SVR111

	BRATISLAVA
	SLOVAK REPUBLIC
Owner	SLOVENSKE ELEKTRARNE, A.S.
Applicator	HYDROSAN S.R.O.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	950 SQ METRES
Completed	1997
Comments	THIS 15 YEAR OLD UTILITY TUNNEL FOR DISTRIBUTING HIGH VOLTAGE ELECTRICITY REQUIRED REPAIR DUE TO GROUND WATER LEAKS UP TO 130 CM. ABOVE FLOOR LEVEL IN SOME AREAS. A TWO-COAT APPLICATION OF XYPEX CONCENTRATE AND MODIFIED WAS APPLIED. CRACKS AND JOINTS WERE FILLED WITH XYPEX PATCH 'N PLUG.

* UTILITY TUNNEL - POTABLE WATER

No: 10546SVR108

	BRATISLAVA
	SLOVAK REPUBLIC
Owner	WATERWORKS BRATISLAVA
Applicator	HYDROSAN S.R.O.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	WATER TREATMENT PLANTS
Total	3,500 SQ METRES
Completed	1995/96/97
Comments	THESE TUNNELS, WHICH HOUSE UNDERGROUND PIPES AND CABLES, WERE EXPERIENCING SEVERE LEAKAGE OF UP TO 13,000 GAL. PER 24 HOURS. RESTORATION CONSISTED OF 5700 LINEAR FEET OF CRACK REPAIR USING PATCH N' PLUG, CONCENTRATE AND MODIFIED. THE REPAIRS ARE TO PROLONG THE LIFE OF THE CONCRETE.

* ANKARA SUBWAY TUNNELS

No: 09004

	ANKARA
	TURKEY
Owner	ANKARA MUNICIPALITY
Designer	L.R.T.C. (GERMAIN) AND YUKSEL PROJECT
Contractor	KOPEX (POLISH CO.) 1994-1995
Applicator	MR. MUSTAFA CAVUSOGLU FOR BAYINDIR AND MR. PAVEL
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	5,600 SQ METRES
Completed	Ongoing
Comments	11,000 SQ.M. OF CRACKS WAS REPAIRED WITH PATCH 'N PLUG TO STOP WATER INGRESS THROUGH CONSTRUCTION JOINTS. 5,600 SQ.METERS OF XYPEX CONCENTRATE AND MODIFIED WAS ALSO APPLIED TO THE SURFACE TO PROVIDE WATERPROOFING.

* NATURAL GAS CENTRAL INDUSTRIAL BUILDING

No: 02938

	LULEBURGAZ
	TURKEY
Owner	NATURAL SOURCES MINISTRY
Contractor	ENKA
Applicator	ENKA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	FOUNDATION WALLS & FLOORS
Total	3,600 SQ FT
Comments	LEAKAGES FROM TUNNEL CEILING AND SIDE WALLS HAVE BEEN TREATED.

* TAIPEI SUBWAY HSINGCHAN SERVICE TUNNEL No: 03003

	TAIPEI
	TAIWAN
Owner	TAIPEI CITY GOVERNMENT
Contractor	RET-SER ENGINEERING AGENCY
Applicator	BIWOOD
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1987

* KHARKOV SUBWAY No: 11200

	KHARKOV
	UKRAINE
Proj. Type	TUNNELS & SUBWAY SYSTEMS

* TEATRALNA SUBWAY STATION No: 11194

	KIEV
	UKRAINE
Proj. Type	TUNNELS & SUBWAY SYSTEMS

* MAGMA COPPER - SHOTCRETE TUNNELS No: 08073

	SAN MIGUEL, ARIZONA
	U.S.A.
Owner	MAGMA COPPER
Designer	OWNER
Contractor	OWNER
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	30,000 SQ FT
Completed	1987
Comments	XYPEX WAS USED TO WATERPROOF 30,000 SQ. FT. OF SHOTCRETE TUNNEL LINER.

* PENSTOCK TUNNEL - DRUM POWER HOUSE No: 02088

	ALTA, CALIFORNIA
	U.S.A.
Owner	PACIFIC GAS & ELECTRIC CO
Applicator	PACIFIC GAS AND ELECTRIC
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	7,550 LBS
Completed	1977

* SCHRAMSBERG VINEYARDS

No: 02110

	CALISTOGA, CALIFORNIA
	U.S.A.
Contractor	ALF BURTLESON CONSTR.
Applicator	SCHRAMSBERG VINEYARDS
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	GRAIN ELEVATORS & FOOD STORAGE
Total	415 LBS
Completed	1982

* STAGS LEAP WINERY

No: 02779

	NAPA, CALIFORNIA
	U.S.A.
Owner	STAGS LEAP WINERY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	180 LBS
Completed	1987
Comments	REPAIRS WERE MADE TO THE EXISTING GUNITE TUNNEL WITH XYPEX. TWO COATS OF XYPEX 'CONCENTRATE' WERE APPLIED AT A RATE OF 1.5 LB/SQ.YD. PER COAT.

* FAR NIENTE WINERY

No: 02782

	OAKVILLE, CALIFORNIA
	U.S.A.
Owner	FAR NIENTE WINERY
Designer	DONALD HERZOG ASSOCAITES
Contractor	CHRISTENSEN & KOMES
Applicator	ALF BURTLESON CONSTRUCTION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	660 LBS
Completed	1986
Comments	XYPEX CONCENTRATE WAS APPLIED TO THE NEW TUNNEL WALLS OF THIS WINE "CAVE".

* STANFORD UNIVERSITY LINEAR ACCELERATOR TUNNEL No: 01016

	PALO ALTO, CALIFORNIA
	U.S.A.
Designer	KAISER ENGINEERING
Contractor	CONTINENTAL HELLER
Applicator	GEORGE FORTUNE PAINTING INC
Proj. Type	NUCLEAR & POWER GENERATING STATIONS TUNNELS & SUBWAY SYSTEMS
Total	6,000 LBS
Completed	1979
Comments	XYPEX SYSTEM WAS USED TO REPAIR CRACKS AND CONCRETE DEFECTS IN NEW LINEAR ACCELERATOR TUNNEL.

* STANFORD UNIVERSITY CARBON DATING CHAMBER No: 01264

	PALO ALTO, CALIFORNIA
	U.S.A.
Proj. Type	NUCLEAR & POWER GENERATING STATIONS TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX USED TO WATERPROOF SUBTERRANEAN CONCRETE TESTING CHAMBER USED FOR CARBON DATING.

* RUTHERFORD HILL WINERY No: 02715

	RUTHERFORD, CALIFORNIA
	U.S.A.
Owner	RUTHERFORD HILL WINERY
Contractor	ALF BURTLESON CONSTRUCTION CO.
Applicator	ALF BURTLESON CONSTRUCTION CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	165 LBS
Completed	1986
Comments	XYPEX CONCENTRATE USED FOR TOUCH UP AT THE RATE OF 2 LB PER SQUARE YARD FOR THESE WINERY TUNNELS.

* CALIFORNIA STATE OFFICE BUILDING 1B No: 02090

	SACRAMENTO, CALIFORNIA
	U.S.A.
Contractor	CONTINENTAL HELLER
Applicator	CURTIS ROOFING CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	560 LBS
Comments	CONNECTING TUNNEL.

* NAVAL AIR STATION UTILITY TUNNELS

No: 02119

	SAN DIEGO, CALIFORNIA
	U.S.A.
Owner	U.S. NAVY
Designer	NAVAL ENGINEERING COMMAND
Contractor	C. E. WYLIE CONSTRUCTION
Applicator	C.E. WYLIE CONSTRUCTION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	MILITARY PROJECTS
Total	10,000 SQ FT
Completed	1980
Comments	XYPEX WAS APPLIED TO THE INTERIOR OF THE UTILITY TUNNELS.

* EMBARCADERO STATION

No: 02116

	SAN FRANCISCO, CALIFORNIA
	U.S.A.
Contractor	HOMER J. OLSEN CO.
Applicator	HOMER J. OLSEN CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX WAS APPLIED TO CONSTRUCTION JOINT AT TOP OF SLURRY WALL TO PREVENT LEAKAGE INTO FINISHED STATION.

* OIL STORAGE TANKS & TRANSFER TUNNELS

No: 08146

	SAN FRANCISCO, CALIFORNIA
	U.S.A.
Owner	CHEVRON USA
Designer	OVERAA & CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	RESERVOIRS
Comments	MATERIAL WAS REQUESTED BY CHEVRON OIL USA. DS1 WAS APPLIED TO OIL STORAGE TANKS AND TRANSFER TUNNELS LOCATED ON THE SHORE OF SAN FRANCISCO BAY. XYPEX USED TO PREVENT WATER SEEPAGE INTO THE TRANSFER TUNNELS AND TANKS.

* SAN FRANCISCO AIRPORT - SOUTH TERMINAL

No: 02506

	SAN FRANCISCO, CALIFORNIA
	U.S.A.
Owner	S. F. AIRPORT AUTHORITY
Designer	GROUP IV ARCHITECT
Contractor	WILLIAMS & BURROWS
Applicator	UNIVERSAL PROTECTIVE COAT
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	PARKING DECKS, PARKADES & WALKWAYS
Comments	SLABS, WALLS, JOINT REPAIR AT S. TERMINAL TUNNELS.

* BAY AREA RAPID TRANSIT DISTRICT

No: 02177

	SAN FRANCISCO, CALIFORNIA
	U.S.A.
Contractor	HOMER J. OLSEN COMPANY
Applicator	GENERAL CONTRACTORS LABOR
Proj. Type	VAULTS & ELEVATOR PITS
	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX CONCENTRATE APPLIED TO CONSTRUCTION JOINT AT TOP OF SLURRY WALL TO PREVENT LEAKAGE INTO FINISHED SUBWAY STATION.

* GLORIA FERRER WINERY

No: 02998

	SONOMA, CALIFORNIA
	U.S.A.
Owner	FREIXENET-SONOMA
Designer	JOHN PICCHI & ASSOCIATES
Contractor	CHRISTENSEN & FOSTER
Applicator	CHRISTENSON & FOSTER
Proj. Type	BELOW GRADE CONCRETE BLOCK WALLS
	TUNNELS & SUBWAY SYSTEMS
Comments	NEW WINERY-CHAMPAGNE CELLARS & VISITORS CENTER. THE CAVES (CELLARS) EXTEND 200 FT AND PROVIDE 4,200 SQ.FT. OF STORAGE.

* GLORIA FERRER WINERY - CHAMPAGNE CAVES

No: 02687

	SONOMA, CALIFORNIA
	U.S.A.
Owner	FREIXENET - SONOMA
Designer	JOHN PICCHI & ASSOCIATES
Contractor	CHRISTENSEN & FOSTER
Applicator	CHRISTENSEN & FOSTER
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	VAULTS & ELEVATOR PITS
Total	4,560 LBS
Completed	1986
Comments	RETAINING WALLS/SLABS (BELOW & ONGRADE), FOOTINGS, TOWER WALLS AT VISITOR CENTRE, TUNNELS & CHAMPAGNE CELLARS. THESE NEW CELLARS EXTEND 200 FT AND PROVIDE 4,200 SQ FT OF WINE STORAGE.

* NEWTON VINEYARD - TUNNELS

No: 02717

	ST. HELENA, CALIFORNIA
	U.S.A.
Owner	NEWTON VINEYARD
Contractor	ALF BURTLESON CONSTRUCTION CO.
Applicator	ALF BURTLESON CONSTRUCTION CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	2,940 LBS
Completed	1986
Comments	XYPEX CONCENTRATE APPLIED TO ENTRANCE OF GUNITE TUNNEL (NEW CONSTRUCTION).

* GENERAL TELEPHONE COMPANY

No: 02115

	WALNUT, CALIFORNIA
	U.S.A.
Owner	GENERAL TELEPHONE CO.
Applicator	INDUSTRIAL PAINTING & WPG
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	3,000 SQ FT
Completed	1982
Comments	XYPEX WAS APPLIED TO INTERIOR OF TUNNEL AND WAS USED TO REPAIR CRACKS (APPROX 150 LIN FT).

* RICE GROWERS ASSOCIATION STORAGE BINS

No: 01731

	WILLIAMS, CALIFORNIA
	U.S.A.
Owner	RICE GROWERS ASSOCIATION
Contractor	CAMPBELL CONSTRUCTION
Proj. Type	GRAIN ELEVATORS & FOOD STORAGE TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX ULTRA-PLUG AND XYPEX CONCENTRATE WERE USED TO REPAIR ACTIVE LEAKS IN THE RICE STORAGE BINS AND RICE TRANSFER TUNNELS.

* GRAIN SILO

No: 02503

	FORT COLLINS, COLORADO
	U.S.A.
Applicator	KIEFER CONCRETE CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS CONCRETE SILOS
Total	420 LBS
Completed	1984
Comments	GRAIN SILO REPAIRS

* WASHINGTON D.C. METRO AREA SUBWAY SYSTEM

No: 02238

	WASHINGTON, DISTRICT OF COLUMBIA
	U.S.A.
Owner	WASHINGTON METRO TRANSIT
Designer	BECHTEL CORPORATION
Applicator	CONCRETE WATERPROOFING OF VIRGINIA INC
Proj. Type	TUNNELS & SUBWAY SYSTEMS VAULTS & ELEVATOR PITS
Completed	1982
Comments	XYPEX APPLIED TO 760 LIN FT TUNNEL (30,000 SQ FT), TO SHOTCRETE & CONCRETE VAULTS (20,000 SQ FT), AND TO PASSWAYS, MECHANICAL ROOMS, DECKS, EQUIPMENT VAULTS, ELEVATOR & ELECTRICAL PITS. APPLICATION IN TUNNEL IS ONGOING. ALSO XYPEX PRODUCTS BEING USED FOR REPAIR OF CONCRETE DEFECTS.

* CONGRESS HEIGHTS STATION AND NATM TUNNELS No: 09315

	WASHINGTON, DISTRICT OF COLUMBIA
	U.S.A.
Owner	WASHINGTON METRO AREA TRANSIT AUTHORITY
Designer	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	01/15/1996
Comments	TWO 60 LB. PAILS OF XYPEX CONCENTRATE WAS APPLIED TO BELOW GRADE WALLS.

* CABLE EXPANSION VAULT No: 02099

	BEAUFORD, GEORGIA
	U.S.A.
Owner	SOUTHERN BELL TELEPHONE
Applicator	HOLBROOK WPG. LTD.
Proj. Type	TUNNELS & SUBWAY SYSTEMS

* CHICAGO SUBWAY - DEARBORN STREET STATION No: 02865

	CHICAGO, ILLINOIS
	U.S.A.
Owner	CHICAGO TRANSIT AUTHORITY
Applicator	C.W.I. CORPORATION (INDIANA)
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1982
Comments	CONTACT NEU-CO CONSTRUCTION IN INDIANA FOR MORE INFORMATION ON THIS PROJECT.

* COAL-FIRED POWER STATION No: 02117

	GIBSON, INDIANA
	U.S.A.
Owner	PUBLIC SERVICE INDIANA
Designer	PUBLIC SERVICE INDIANA
Contractor	NEWBERG CONSTRUCTION
Applicator	CWI CORPORATION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	776 LIN FT
Completed	1982
Comments	800 LB ULTRA PLUG, 1,800 LB CONCENTRATE. CRACK REPAIR WAS DONE UNDER HYDROSTATIC WATER PRESSURE WITH COMPLETE SUCCESS.

* HENRY CO. HOSPITAL

No: 02093

	NEW CASTLE, INDIANA
	U.S.A.
Owner	HENRY CO. HOSPITAL
Applicator	C.W.I. CORPORATION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	2,400 SQ FT
Completed	1982
Comments	TWO CONCRETE AIR CONDITIONING DUCTS WERE COATED WITH XYPEX CONCENTRATE - ALSO ALL CRACKS IN A HOSPITAL TUNNEL WERE REPAIRED - CEILING OF TUNNEL RECEIVED 1 COAT OF XYPEX CONCENTRATE. 170 LF, 870 LB.

* MARBLE HILL NUCLEAR POWER PLANT

No: 02122

	NEW WASHINGTON, INDIANA
	U.S.A.
Owner	PUBLIC SERVICE INDIANA
Designer	SARGENT & LUNDY
Contractor	GUST K. NEWBERG CONSTRUCTION INC.
Applicator	CONCRETE WATERPROOFING OF INDIANA, INC.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	NUCLEAR & POWER GENERATING STATIONS
Completed	1982
Comments	XYPEX APPLIED TO TENDON TUNNELS (CIRCULAR TUNNELS LOCATED DIRECTLY BENEATH NUCLEAR CONTAINMENT STRUCTURES). OVER 800 LF OF CRACKS AND FAULTY CONSTRUCTION JOINTS WERE SEALED WITH XYPEX IN THIS AREA AND A MAJOR REPAIR EFFORT WAS CARRIED OUT IN THE LOWEST EMERGENCY LEVEL OF THE AUXILIARY BUILDING.

* HOLNAM CEMENT DISTRIBUTION TERMINAL

No: 09797

	RESERVE, LOUISIANA
	U.S.A.
Owner	HOLNAM CEMENT
Designer	RIVER CONSULTING
Contractor	BOH BROTHERS (DS1)
Applicator	CARLO DITTA, INC.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
	FOUNDATION WALLS & FLOORS
Comments	NEW TUNNEL UNDER CONSTRUCTION. EXPECTED COMPLETION DATE: DECEMBER, 1996. 150 PAILS OF DS1, 100-60 LB. PAILS AND 100-20 LB. PAILS OF C-1000 ADMIX BEING USED.

* P.P.G. TUNNEL

No: 09375

	WEST LAKE, LOUISIANA
	U.S.A.
Owner	P.P.G. INC.
Designer	P.P.G. INC.
Contractor	ANGELLE CONCRETE
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	100 CU YDS
Comments	ADMIX C-1000 WAS USED TO WATERPROOF THIS POURED-IN-PLACE NEW TUNNEL.

* WASHINGTON D.C. METRO SYSTEM

No: 02084

	BETHESDA, MARYLAND
	U.S.A.
Owner	WASHINGTON METRO TRANSIT AUTHOR.
Designer	BECHTEL CORPORATION
Contractor	FRUIN-COLNON-HORN-L & W
Applicator	CONSULDYNE, INC.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	7,500 LIN FT
Completed	1981
Comments	OWNER WAS UNABLE TO CONTAIN WATER IN THIS AREA WHICH HOUSES ELECTRICAL EQUIPMENT. AFTER XYPEX APPLICATION, OWNER WAS ABLE TO PROCEED WITH EQUIPMENT INSTALLATION. 100 LF OF CRACKS, 9,100 LB. XYPEX ALSO APPLIED TO ENTIRE PASSAGEWAY OVER THIS SECTION OF SUBWAY TUNNEL.

* WASHINGTON D.C. METRO SYSTEM

No: 02083

	BETHESDA, MARYLAND
	U.S.A.
Owner	WASHINGTON METRO TRANSIT
Designer	BECHTEL CORPORATION
Contractor	A.A. BEIRO CONSTR. CO.
Applicator	CONSULDYNE, INC.
Proj. Type	ROOF DECKS
	TUNNELS & SUBWAY SYSTEMS
Total	170,000 SQ FT
Completed	1982
Comments	107,000 LB. THIS TUNNEL SECTION WAS ONE OF THE WORST LEAKAGE AREAS IN 59 MILE SYSTEM. THERE IS A VERY HIGH WATER TABLE IN THAT VICINITY. XYPEX APPLICATION HAS MINIMIZED LEAKAGE PROBLEMS TO THE LEVEL ACCEPTABLE TO THE METRO TRANSIT AUTHORITIES.

* GENERAL MOTOR DELPHI - TUNNEL ROOF SLAB

No: 10502

	MICHIGAN
	U.S.A.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	120 YDS

* FORD MOTOR COMPANY R&E POWERHOUSE

No: 07970

	DEARBORN, MICHIGAN
	U.S.A.
Owner	FORD MOTOR COMPANY
Designer	FORD ENGINEERING DIVISION
Applicator	CONCRETE WATERPROOFING SYSTEMS, INC
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX SYSTEM APPLIED TO TUNNEL. THERE WAS SERIOUS WATER INGRESS IN VARIOUS AREAS OF THE TUNNEL WHICH WAS SUCCESSFULLY WATERPROOFED WITH XYPEX CONCENTRATE, XYPEX MODIFIED, XYPEX ULTRA PLUG AND MEGAMIX.

* FISHER THEATER

No: 02453

	DETROIT, MICHIGAN
	U.S.A.
Owner	FISHER BUILDING
Applicator	GRUNWELL-CASHERO
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	1,680 LBS
Comments	BASEMENT WALLS, TUNNELS. VERY SEVERE WATER PRESSURE CAUSING PROBLEMS IN THEIR PEDESTRIAN TUNNEL, XYPEX COMPLETELY STOPPED ALL LEAKS.

* DETROIT CHILDRENS HOSPITAL

No: 02328

	DETROIT, MICHIGAN
	U.S.A.
Applicator	REFINED CONCRETE WPG.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX WAS USED TO WATERPROOF CRACKS, CONTRUCTION JOINTS, AND SPALLED AREAS IN THE MAINTENANCE TUNNEL.

* MONROE POWER PLANT - FERMI II

No: 02118

	MONROE, MICHIGAN
	U.S.A.
Owner	DETROIT EDISON
Designer	DETROIT EDISON
Applicator	REFINED CONCR. WPG.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	100 LIN FT
Completed	1982
Comments	100 LINEAL FEET OF CRACKS.

* MONROE POWER PLANT

No: 02218

	MONROE, MICHIGAN
	U.S.A.
Designer	DETROIT EDISON
Applicator	REFINED CONCRETE WPG INC
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	100 LIN FT
Comments	CRACKS IN TUNNEL. GOOD JOB

* VETERANS ADMINISTRATION HOSPITAL

No: 02234

	ST CLOUD, MINNESOTA
	U.S.A.
Contractor	DONLAR CORP
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	1,000 SQ FT
Comments	CONCENTRATE APPLIED TO PEDISTRIAN TUNNEL.

* OLD FORT FINISHING PLANT

No: 02092

	ASHVILLE, NORTH CAROLINA
	U.S.A.
Designer	OLD FORT COMPANY
Contractor	WELLS & WEST CO.
Applicator	CONCRETE WPG. OF TENNESSE
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	22 LIN FT
Comments	CRACK REPAIR IN CENTRE OF 6' X 8' CONCRETE TUNNEL UNDER INTERSTATE 40.

* SALEM NUCLEAR STATION - UNITS 1 & 2

No: 01323

	LOWER ALLOWAYS, NEW JERSEY
	U.S.A.
Owner	PUBLIC SERVICE ELECTRIC & GAS
Contractor	UNITED ENGINEERS & CONSTRUCTORS
Applicator	CATALYTIC, INC
Proj. Type	NUCLEAR & POWER GENERATING STATIONS
	TUNNELS & SUBWAY SYSTEMS
Total	10,000 LBS
Completed	1980
Comments	XYPEX PRODUCTS WERE USED TO SEAL CRACKS AND CONSTRUCTION JOINTS IN BELOW-GRADE STRUCTURES AND TUNNELS.

* PRINCETON UNIVERSITY POOL COMPLEX

No: 03021

	PRINCETON, NEW JERSEY
	U.S.A.
Owner	PRINCETON UNIVERSITY
Designer	BROWNING DAY MULLINS DIERDORF
Contractor	HUBER HUNT AND NICHOLLS
Applicator	SOUTHSHORE WATERPROOFING
Proj. Type	SWIMMING & DECORATIVE POOLS
	TUNNELS & SUBWAY SYSTEMS
Total	60,000 SQ FT
Completed	1990
Comments	TWO COAT APPLICATION OF XYPEX TO EXTERIOR WALLS AND POOL FLOOR. IT WAS ALSO APPLIED TO TUNNEL AREA BETWEEN POOL COMPLEX AND GYMNASIUM.

* ST. JOHNS LAW SCHOOL

No: 07788

	NEW YORK, NEW YORK
	U.S.A.
Owner	ST. JOHNS UNIVERSITY
Designer	CARSON LUNDIN & THORSON
Contractor	GEORGE A FULLER CO.
Applicator	GEIGER ROOFING CO. INC.
Proj. Type	FOUNDATION WALLS & FLOORS
	TUNNELS & SUBWAY SYSTEMS
Total	12,300 SQ FT
Comments	GEIGER ROOFING CALLED FOR AVAILABILITY - REFERED THEM TO TOM FARRELL. ALLIED ROOFING WILL SUPPLY MATERIAL.

* N.Y. CITY TRANSIT AUTHORITY

No: 02262

	NEW YORK, NEW YORK
	U.S.A.
Contractor	HORN CONSTRUCTION
Applicator	CRYSTALLINE CONC.W/P CORP
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	TUNNEL SEEPAGE REPAIR. HEY'DI FAILED HERE.

* MANHATTAN PSYCHIATRIC CENTER TUNNEL REPAIRS

No: 10382

	WARDS ISLAND, NEW YORK
	U.S.A.
Owner	MANHATTAN PSY. CENTER (STATE OF NY DORM AUTHORITY)
Designer	TAMS CONSULTANTS
Contractor	PROMO PRO
Applicator	PROMO PRO
Proj. Type	MANHOLES
	TUNNELS & SUBWAY SYSTEMS
Total	7,900 SQ FT
Completed	04/30/99
Comments	18 MANHOLES, LEADING INTO A 3,000 FT. LONG TUNNEL, WERE WATERPROOFED USING XYPEX CONCENTRATE. A BLEND OF XYPEX PATCH 'N PLUG AND CONCENTRATE WAS USED IN THE COVES OF THE WALL/FLOOR JOINTS.

* FORD MOTOR PLANT

No: 02455

	MAUMEE, OHIO
	U.S.A.
Owner	FORD MOTOR COMPANY
Designer	FORD ENGINEERING DEPT
Contractor	R.H. DEWEY CO, INC
Applicator	R.H. DEWEY CO, INC
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	3,400 LBS
Comments	XYPEX APPLIED TO EXTERIOR OF TUNNEL WALL AND CEILING. BITUMINOUS HOTMOP ORIGINALLY SPECIFIED, HOWEVER CONTRACTOR WOULD NOT GUARANTEE IT. FORD ENGINEERS RECOMMENDED THE USE OF XYPEX AND THE CONTRACTOR THEN GUARANTEED THE APPLICATION.

* DANA WORLD HEADQUARTERS

No: 02094

	TOLEDO, OHIO
	U.S.A.
Owner	DANA WORLD HEADQUARTERS
Designer	OWNER
Applicator	CONCRETE WPG. INC.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	100 LIN FT
Completed	1982
Comments	TUNNEL PARKING AREA AND JOINT REPAIRS.

* CHESTER PRISON FOR DRUG OFFENDERS

No: 09218

	CHESTER, PENNSYLVANIA
	U.S.A.
Owner	DEPARTMENT OF CORRECTIONS
Designer	DEPARTMENT OF GENERAL SERVICES
Contractor	BROWN & ROOT BUILDING CO.
Applicator	TOJAK CONSTRUCTION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	15,000 SQ FT
Comments	XYPEX WAS USED ON THIS PROJECT AS A RESULT OF THE CONSTRUCTION MANAGER REQUESTING THE SUBCONTRACTOR FIND AN ALTERNATE METHOD OF WATERPROOFING THAT COULD BE APPLIED TO THE STRUCTURE AND BACKFILLED ASAP. THIS APPLICATION WAS COMPLETED IN LATE FALL WHEN THE NORTHEAST WAS EXPERIENCING AN EARLY AND SNOWY WINTER.

* PHILADELPHIA INTERNATIONAL AIRPORT - US AIR TUNNEL

No: 09668

	PHILADELPHIA, PENNSYLVANIA
	U.S.A.
Owner	CITY OF PHILADELPHIA
Contractor	CARSON CONCRETE CORPORATION/BUCKLEY & COMPANY
Applicator	CARSON CONCRETE CORPORATION/BUCKLEY & COMPANY
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	05/01/96
Comments	THE TUNNEL SLAB SURFACE WAS PREPARED, CONCRETE WAS PUMPED ONTO THE SLAB, FOLLOWED BY A POWER TROWEL FINISH TECHNIQUE TO INCLUDE THE BROADCASTING OF DS2. 24-HOURS A DAY CONSTANT PUMPING TO REMOVE GROUND WATER AT SITE REQUIRED.

* BANK OF HOUSTON

No: 02101

	HOUSTON, TEXAS
	U.S.A.
Owner	SAME
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1975
Comments	XYPEX SYSTEM WAS APPLIED TO SERVICE TUNNELS UNDER DRIVE-IN TELLERS.

* INTERCONTINENTAL AIRPORT

No: 02102

	HOUSTON, TEXAS
	U.S.A.
Applicator	C.W.P. TEXAS
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX CONCENTRATE WAS APPLIED TO HAIRLINE CRACKS IN SLURRY COAT ON TUNNEL WALL SECTION BELOW RUNWAY WAS A TEST TO DETERMINE THE FEASIBILITY OF XYPEX. FURTHER WORK ON THIS PROJECT IS EXPECTED.

* CITY HALL PEDESTRIAL TUNNEL

No: 02109

	HOUSTON, TEXAS
	U.S.A.
Owner	CITY OF HOUSTON
Applicator	BRUCE HEFNER & W.CHAPMAN
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	ANNEX TUNNEL BELOW COLLISEUM LEADING TO MUSIC HALL NEGOTIATIONS FOR FURTHER WORK IN PROGRESS. JIM HOLLIS 713 222-5701

* CITY HALL

No: 02108

	HOUSTON, TEXAS
	U.S.A.
Owner	CITY OF HOUSTON
Applicator	CONCRETE WPG. OF TEXAS
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	SEALED TWO SKYLIGHTS IN TUNNEL.

* HARDY TOLL ROAD TUNNEL

No: 10110

	HOUSTON, TEXAS
	U.S.A.
Owner	CITY OF HOUSTON
Designer	TURNER, COLLIE & BRADEN, INC.
Contractor	SPAW GLASS CONSTRUCTION
Applicator	CHAMBERLIN WATERPROOFING
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	14,000 S. F.
Completed	04/18/97
Comments	XYPEX CONCENTRATE WHITE WAS APPLIED TO STRUCTURES, INTERIOR TUNNEL WALLS, ELEVATOR SHAFTS.

* INDUSTRIAL GENERATING COMPANY

No: 02111

	ROCKDALE, TEXAS
	U.S.A.
Owner	INDUSTRIAL GENERATING CO.
Designer	BROWN & ROOT INC.
Applicator	CWP TEXAS
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	EXPANSION JOINTS WERE DRY PACKED WITH CONCENTRATE AS WELL AS VARIOUS AREAS WHERE WATER WAS LEAKING THROUGH WALLS OF THE LIGNITE TUNNEL.

* FRANKLIN QUEST FIELD

No: 11529

	UTAH
	U.S.A.
Applicator	GUARANTEED WATERPROOFING & CONSTRUCTION
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX PRODUCTS WERE USED TO STOP SEVERE LEAKING OF THE WALL AND FLOOR JOINTS IN THE BELOW-GRADE BATTING TUNNEL.

* WASHINGTON D.C. METRO SYSTEM

No: 02085

	ALEXANDRIA, VIRGINIA
	U.S.A.
Owner	WASHINGTON METRO TRANSIT
Designer	BECHTEL CORPORATION
Contractor	O CORPORATION
Applicator	CONSULDYNE, INC.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	500 LIN FT
Completed	1982
Comments	APPLY XYPEX TO OVERHEAD CRACK REPAIR OF CONST. & CONTROL JOINTS IN SUBWAY STATION. 4,800 LB.

* MONTLAKE REGULATOR STATION

No: 01911

	KING COUNTY, WASHINGTON
	U.S.A.
Designer	MUNICIPALITY OF METROPOLITAN SEATTLE
Proj. Type	SEWAGE & WASTEWATER TREATMENT PLANTS
	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX CRYSTALLINE WATERPROOFING WAS APPLIED TO THE TANKS COMMON WITH AREAS TO BE OCCUPIED BY EQUIPMENT, PIPING OR PERSONNEL AND TO ALL BELOW GRADE SURFACES OF REGULATOR STRUCTURE, EXTERIOR SURFACES OF TUNNEL, AND TO TOP SURFACES OF THE ROOF SLAB OVER THE CONTROL ROOM.

* GROUP HEALTH HOSPITAL

No: 01321

	REDMOND, WASHINGTON
	U.S.A.
Designer	MAHLUM & MAHLUM
Applicator	JOHN SELLEN CONSTRUCTION
Proj. Type	FOUNDATION WALLS & FLOORS
	TUNNELS & SUBWAY SYSTEMS
Completed	1975

* GROUP HEALTH MEDICAL CENTER

No: 01766

	REDMOND, WASHINGTON
	U.S.A.
Designer	HAHLUM & HAHLUM
Contractor	JOHN SULLEN CONSTR. CO.
Proj. Type	FOUNDATION WALLS & FLOORS
	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX CRYSTALLINE WPFG. WAS SPECIFIED AND APPLIED TO CAST-IN-PLACE CONCRETE AS SPECIFIED BY THE ARCHITECT AND SHOWN ON THE DRAWINGS. AREAS INCLUDED COLD JOINTS AND FOUNDATION WALLS. TWO COATS APPLIED TO TUNNEL FLOOR AND WALLS.

* GENERAL TELEPHONE COMPANY

No: 02270

	REDMOND, WASHINGTON
	U.S.A.
Contractor	DOMES CONSTRUCTION & DESIGN INC
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	XYPEX PRODUCTS WERE USED TO WATERPROOF THE EXTENSION OF UNDERGROUND UTILITY TUNNEL.

* SEATTLE - TACOMA INTERNATIONAL AIRPORT

No: 02082

	SEATTLE, WASHINGTON
	U.S.A.
Owner	PORT OF SEATTLE
Designer	PORT OF SEATTLE, ENGINEERING DEPARTMENT
Applicator	WASHINGTON WPG. CO.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Completed	1973
Comments	XYPEX WAS APPLIED TO LEAKING CRACKS AND CONSTRUCTION JOINTS IN 4 1/2 MILES OF TUNNEL. WATER LEAKAGE IN THIS TUNNEL SYSTEM, WHICH HOUSES AUTOMATED TRAINS, WAS SO SEVERE THAT THE WATER WAS COVERING THE ELECTRIC RAILS. THIS SUBWAY SYSTEM CONNECTS ALL THE PASSENGER TERMINALS AT THE AIRPORT.

* MERCER ISLAND TUNNEL

No: 02098

	SEATTLE, WASHINGTON
	U.S.A.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	HAD A LEAKING PROBLEM FOR 28 YEARS. MANY FIRMS TRIED UNSUCCESSFULLY TO WATERPROOF. XYPEX WAS ABLE TO TOTALLY SEAL OFF THE FLOW OF WATER IN THE WORST AREA.

* UNIVERSITY OF PUGET SOUND - TUNNELS

No: 02095

	TACOMA, WASHINGTON
	U.S.A.
Owner	UNIVERSITY OF PUGET SOUND
Applicator	SOUND CONCRETE WPG.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	UNDERGROUND TUNNEL LEADING FROM FRATERNITY AND SORORITY HOUSES TO CENTRAL BELOW GRADE KITCHEN.

* RAPID TRANSIT AND BAGGAGE TUNNELS

No: 02107

	TACOMA, WASHINGTON
	U.S.A.
Proj. Type	TUNNELS & SUBWAY SYSTEMS

* REPAIR OF BOX CULVERT UNDER HIGHWAY

No: 02991

	MADISON, WISCONSIN
	U.S.A.
Owner	WISCONSIN D.O.T. DIST.1
Designer	OWNER
Applicator	EPOXY SPECIALISTS
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	5,000 SQ FT
Completed	1988
Comments	BOX TUNNELS WERE LEAKING CONTINUOUSLY CAUSING BAD ICE BUILD-UPS IN WINTER THAT CAUSED BLOCKAGE AND WATER BACK UPS IN SPRING. 800 FEET OF CRACK REPAIR WAS DONE FOLLOWED BY COATING.

* RAW WATER TUNNEL

No: 02990

	MILWAUKEE, WISCONSIN
	U.S.A.
Owner	MILWAUKEE WATER WORKS
Designer	OWNER
Applicator	PUKALL CO.INC.
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Total	1,200 LBS
Completed	1986
Comments	WHEN TUNNEL WAS DEWATERED OWNER FOUND THAT GROUND WATER WAS INFILTRATING INTO THE SYSTEM AND XYPEX WAS USED TO REPAIR THE PROBLEM.

* VENEZUELA AIRFORCE F-16 JET FIGHTERS TUNNEL

No: 10680

	VENEZUELA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	10,000 SQUARE METERS OF CONCRETE IN THE TUNNEL USED TO SHELTER F-16 JET FIGHTERS WAS TREATED WITH XYPEX CONCENTRATE.

* AGUA VIVA TUNNEL

No: 10679

	VENEZUELA
Proj. Type	TUNNELS & SUBWAY SYSTEMS
Comments	3,500 SQUARE METERS OF CONCRETE IN THE TUNNEL WAS TREATED WITH XYPEX CONCENTRATE.

* CARACAS METRO - PHASE III

No: 08562

Owner	CARACAS
Proj. Type	VENEZUELA
Total	CARACAS METRO SYSTEM
Completed	TUNNELS & SUBWAY SYSTEMS
Comments	1,600,000 SQ FT
	1992
	XYPEX CONCENTRATE WAS APPLIED TO PRE-CAST CONCRETE SEGMENTS USING THE DRY-SHAKE METHOD DURING CONSTRUCTION. THE DRY XYPEX MATERIAL WAS SPREAD OVER FRESH CONCRETE AND THEN WORKED INTO THE SURFACE BY MEANS OF A TROWEL. THIS RESULTED IN SAVINGS FOR THE CONTRACTOR AND THE METRO SYSTEM.

End of Report