



40

TESTS & APPROVALS

Test Report Summaries • Approvals





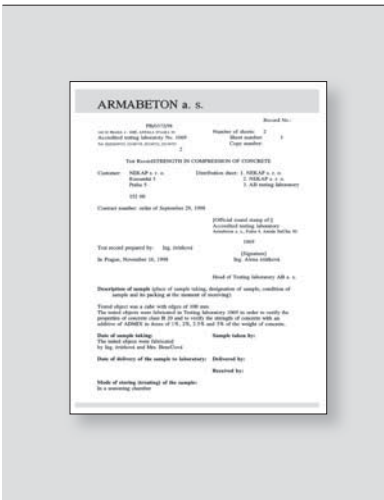
Allentown Testing Laboratories, Inc.
USA

“Certificate of Test and Analysis”, Allentown Testing Laboratories, Inc, Pennsylvania, USA



Amtliche Materialprüfanstalt
Germany

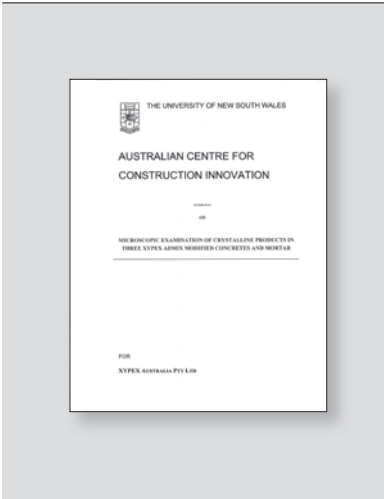
“Testing of Xypex Concentrate with Regard to Water Impermeability (Negative Test)”, DIN 1048, Amtliche Materialprüfanstalt, Clausthal-Zellerfeld, Germany



Armabeton a.s.
Czech Republic

“Evaluation of Increase in Strength for Concrete B20 with an Additive of Xypex Admix C-2000”, ČSN 73 1317, Armabeton a.s., Praha, Czech Republic





Australian Centre for Construction Innovation
Australia

“Microscopic Examination of Crystalline Products in Three Xypex Admix Modified Concretes and Mortar”, Scanning Electron Microscopy (SEM), Australian Centre for Construction Innovation (ACCI), University of New South Wales, Sydney, NSW, Australia



Aviles Engineering Corporation
USA

“Effects of Sulfuric Acid on Concrete Samples”, Aviles Engineering Corporation, Houston, Texas, USA



Aviles Engineering Corporation
USA

“Permeability Test on Treated and Untreated Concrete Samples”, Army Corps of Engineers CRD C48-73, Aviles Engineering Corporation, Houston, Texas, USA





Bautest Corporation

Germany

“To Determine Water Impermeability”, DIN 1048,
Bautest Corporation, Augsburg, Germany



BHP Steel

Australia

“Examination of Various Concrete Microstructures”,
Scanning Electron Microscopy (SEM), Metallurgical Technology
Department, BHP, NSW, Australia

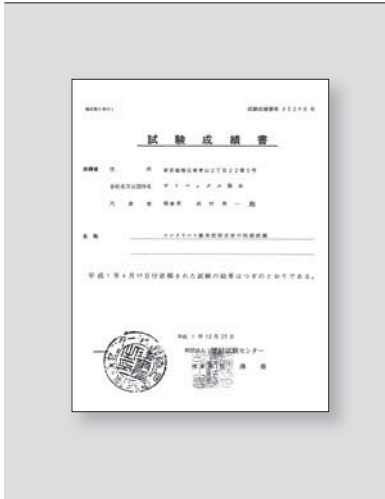


Building & Construction Research & Consulting

Australia

“Microscopic Examination of Samples from a Concrete Reservoir Treated with Xypex Two-Coat System”,
Scanning Electron Microscopy (SEM), BRC (NSW) Pty Ltd,
Building & Construction Research & Consulting, Brookvale,
NSW, Australia

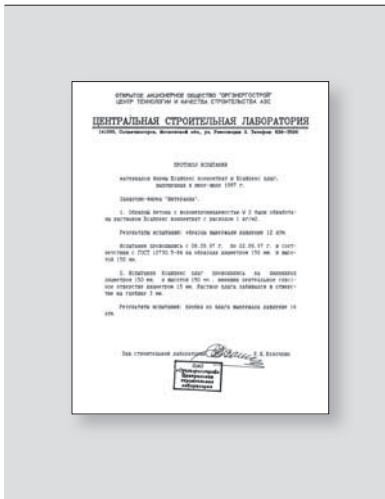




Building Materials Test Center

Japan

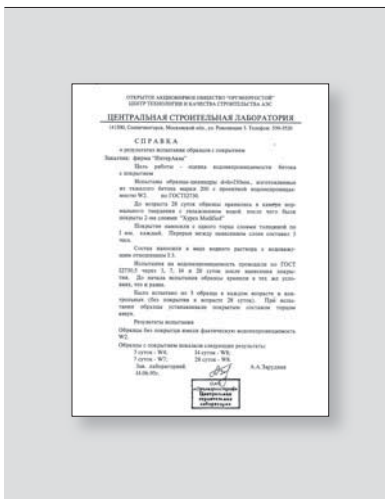
“Performance Test (Freeze-Thaw) of the Concrete Coated with Waterproofing Agent”, JIS A 6204, Building Materials Test Center, Tokyo, Japan



Central Construction Laboratory

Russia

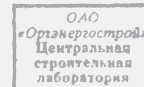
“To Evaluate the Water Tightness of Samples of Concrete with Xypex Coating”, GOST 12730.5, Central Construction Laboratory, Public Corporation “Orgenergostroi”, Moscow, Russia

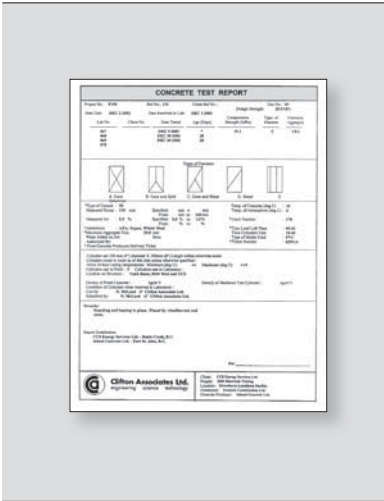


Central Construction Laboratory

Russia

“Test of the Materials Xypex Concentrate and Xypex Patch’n Plug”, GOST 12730.5-84, Central Construction Laboratory, Public Corporation “Orgenergostroi”, Moscow, Russia





Clifton Associates Ltd.

Canada

“Compressive Strength of Cylindrical Concrete Specimens”, Clifton Associates Ltd., Fort St. John, BC, Canada

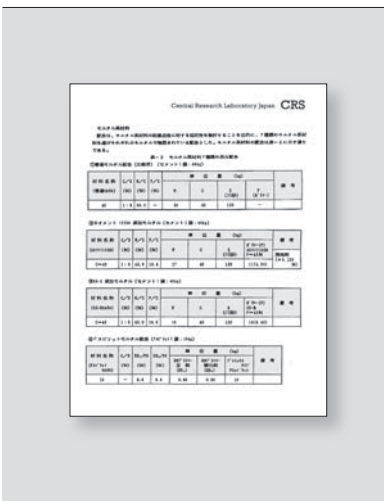


Construction Bureau of Chubu District

Japan

“Repairing of Heavily Cracked Reinforced Concrete Bridge Deck Slab from Underside”, Construction Bureau of Chubu District, The Ministry of Construction, Aichi Institute of Technology, Japan

MOC

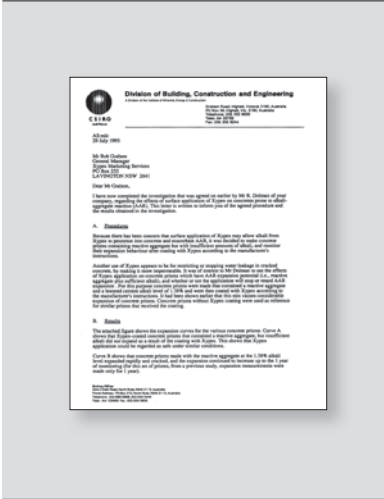


C.R.S. Ltd.

Japan

“Acid-Proofed Concrete Test Report”, Japan Industrial Standards (JIS) C.R.S. Ltd. (Central Research Laboratory), Tokyo, Japan

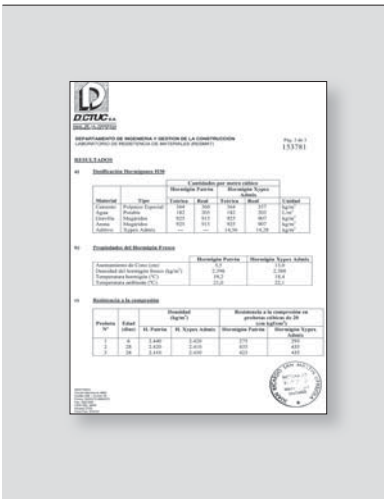
CRS



CSIRO Division of Building

Australia

“Effects of Surface Application of Xypex on Concretes Prone to Alkali-Aggregate Reaction (AAR)”, CSIRO Division of Building, Construction and Engineering, Highett, VIC, Australia



DICTUC S.A.

Chile

“Impermeability to Water”, DIN 1048, DICTUC S.A., Department of Engineering and Construction Management, Santiago, Chile



Gradis Teo

Slovenia

“Investigation of Xypex-Treated Concrete Resistance to Freezing and Thawing with Salt”, JUS Standard U.M1.055, Gradis Teo, Technical, Economic and Organizational Services, d.d., Ljubljana, Slovenia





Hardy BBT Limited
Canada

“Evaluate Direct Tensile Bond Strength and Abrasion Resistance of Plain Concrete and Concrete Treated with Xypex DS-2”, CAN/CSA A23.2-6B, Hardy BBT Limited, Burnaby, BC, Canada



HBT Agra Ltd.
Canada

“Compressive Strength Test – Xypex Admix Samples”, HBT Agra Ltd, Vancouver, BC, Canada



Hönnun Ltd.
Iceland

“Activity of Xypex Concentrate & Admix in Icelandic Concrete”, U.S. Army Corps of Engineers CRD C48-73, NT Build 492 and 443, Hönnun Ltd, Consulting Engineers, Reykjavik, Iceland

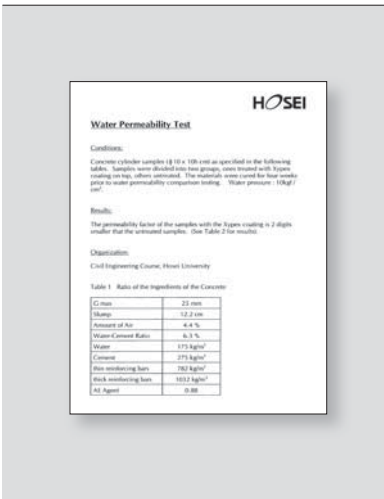




Hosei University

Japan

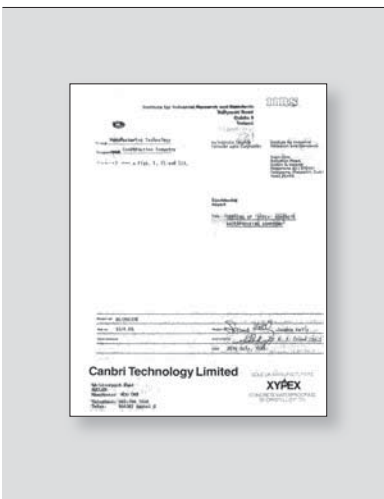
“Sealing Effectiveness of Xypex Concentrate Coating”,
Hosei University, Department of Technology, Tokyo, Japan



Hosei University

Japan

“Water Permeability Test”, Civil Engineering Department, Hosei University, Tokyo, Japan



Institute for Industrial Research and Standards

Ireland

“Testing of Xypex Concrete Waterproofing Compound”,
Institute for Industrial Research and Standards, Dublin, Ireland





ITH – Instituto Tecnológico Del Hormigon S.A.
Argentina

“Testing of a Mix of Concrete with the Inclusion of Powder Additive Xypex Admix C-2000”, ITH – Instituto Tecnológico Del Hormigon S.A., Buenos Aires, Argentina



Instituto Tecnológico Del Hormigon S.A.



Iwate University
Japan

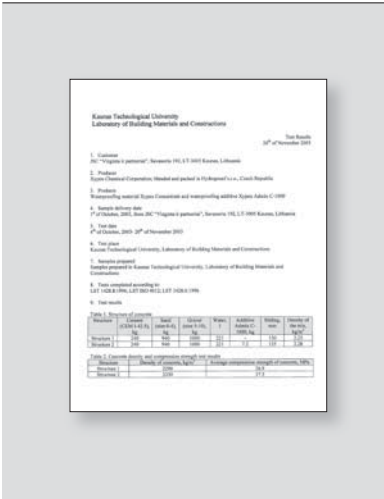
“Chemical Durability of Cement Crystal Increasing Agent Applied Concrete”, Department of Civil & Environmental Engineering, Iwate University, Morioka, Japan



Japan Atomic Energy Research Institute
Japan

“Studies on Diffusion of 137Cs in Cement Mortar”, Japan Atomic Research Institute (JAERI), Tokai-mura, Japan

日本原子力研究所
Japan Atomic Energy Research Institute



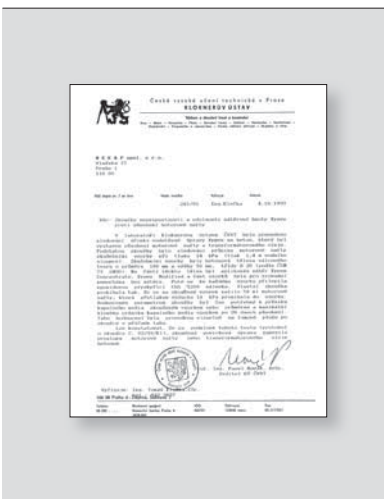
Kaunas Technological University
Lithuania

“Water Permeability of Xypex-Treated Concrete”, LST 1330,
Laboratory of Building Materials and Constructions, Kaunas
Technological University, Kaunas, Lithuania



Kleinfelder
USA

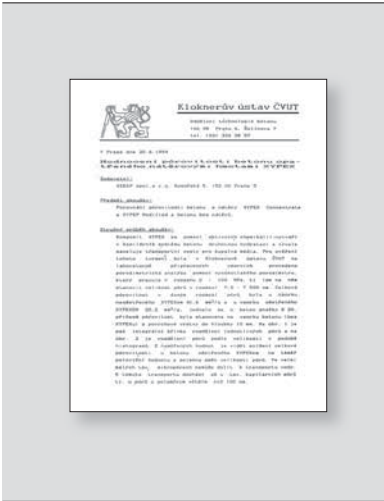
**“Compressive Strength Testing of Concrete Containing
Xypex Admix”, Kleinfelder, Inc, San Francisco, California, USA**



Klokner Institute
Czech Republic

**“Tests of Impermeability and Resistance of Xypex Coating
to: Silage Juices, Diesel Oil, Gasoline and Transformer Oil”,
Klokner Institute, Czech University of Technology, Prague,
Czech Republic**

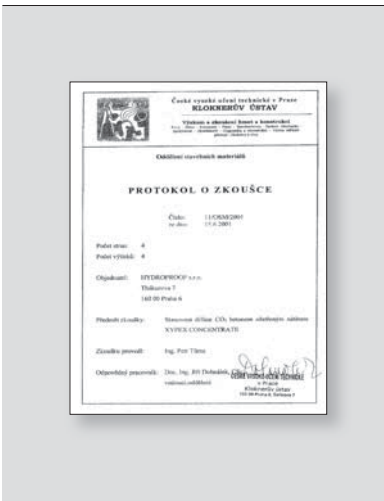




Klokner Institute

Czech Republic

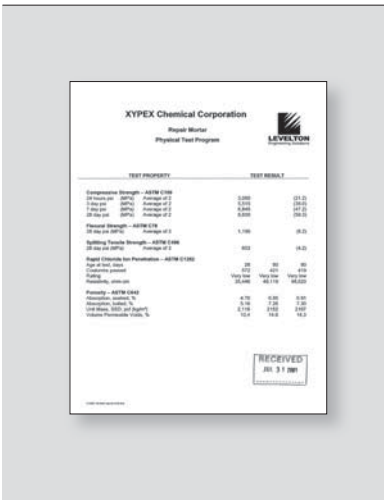
“Evaluation of Porosity of Concrete Treated with Xypex Coating Materials”, Klokner Institute, Czech University of Technology, Prague, Czech Republic



Klokner Institute

Czech Republic

“Determination of CO₂ Diffusion Through Concrete Treated with a Coating of Xypex Concentrate”, Klokner Institute, Czech Technical University, Prague, Czech Republic



Levelton Engineering Ltd.

Canada

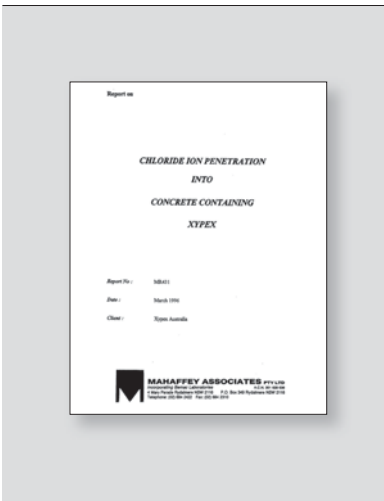
“Laboratory Physical Testing – Xypex Megamix II Repair Mortar”, ASTM C109, C78, C496, C1202, C642, Levelton Engineering Ltd., Richmond, BC, Canada





LPM (Laboratories for Preparation & Methodology)
Switzerland

“To Determine Permeability and Imperviousness”,
LPM (Laboratories for Preparation and Methodology),
Beinwil am See, Switzerland



Mahaffey Associates Pty Ltd.
Australia

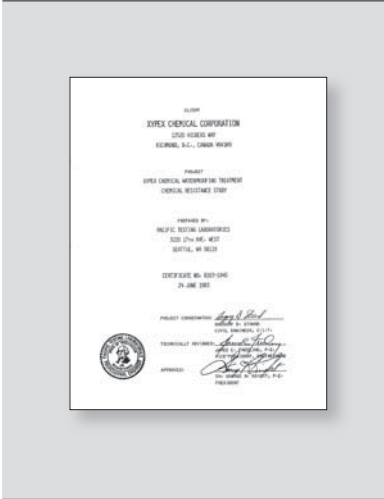
“Chloride Ion Penetration into Concrete Containing Xypex”,
Mahaffey Associates Pty Ltd., Rydalmere, NSW, Australia



Metro Testing Laboratories Ltd.
Canada

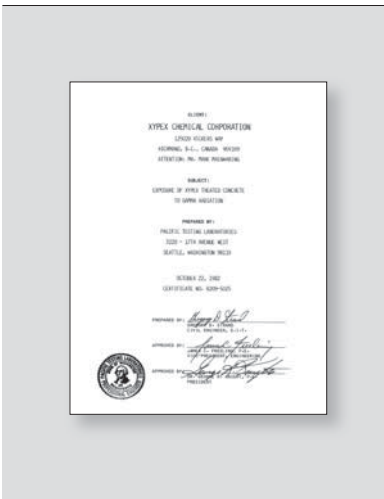
“Bond Pull-Off Testing – Xypex Megamix I and Megamix II”,
Metro Testing Laboratories Ltd., Burnaby, BC, Canada





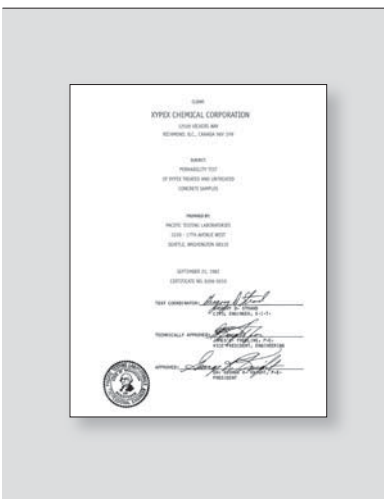
Pacific Testing Laboratories
USA

“Xypex Chemical Waterproofing Treatment Chemical Resistance Study”, ASTM C-267-77, Pacific Testing Laboratories, Seattle, Washington, USA



Pacific Testing Laboratories
USA

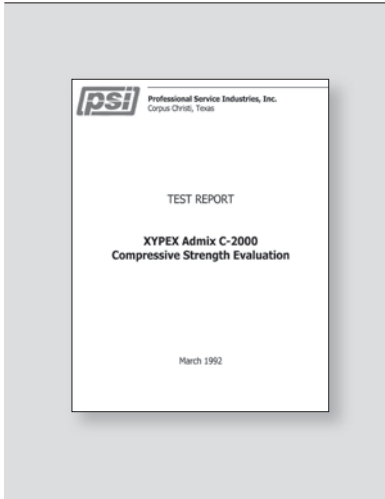
“Exposure of Xypex Treated Concrete to Gamma Radiation”, USA Standard No. N6.9, Pacific Testing Laboratories, Seattle, Washington, USA



Pacific Testing Laboratories
USA

“Permeability Test of Treated and Untreated Concrete Samples”, U.S. Army Corps of Engineers CRD C48-73, Pacific Testing Laboratories, Seattle, Washington, USA





Professional Services Industries

USA

“Xypex Admix C-2000 Compressive Strength Evaluation”,
 ASTM 39, Professional Services Industries, Inc. (PSI),
 Corpus Christi, Texas, USA



Setesco Services Pte Ltd.

Singapore

“Petrographic Examination of Hardened Concrete Core”,
 ASTM C856-88, Setesco Services Pte Ltd, Singapore



Setesco Services Pte Ltd.

Singapore

“Effectiveness of Xypex Products on Waterproofing Capability, Heat Reduction in Concrete, and Compressive Strength”, SS 78, BS 1881, CRD C48-73 (modified),
 Setesco Services Pte Ltd., Singapore





Slovak University of Technology

Slovak Republic

“Testing of the Effectiveness of the Coating Material Xypex to Prevent Gas Permeability of the Concrete”, Slovak University of Technology, Department of Concrete Construction and Bridges, Bratislava, Slovak Republic



Taywood Engineering Limited

Australia

“Resistance of Concrete to Harsh Environments - Ammonium Sulphate”, Taywood Engineering Limited, Perth, WA, Australia



Technologisches Gewerbemuseum

Austria

“Testing of Sealing Effect re Penetration of Water”, ÖNORM B 3303, Technologisches Gewerbemuseum (Industrial Museum of Technology), Federal Higher Technical Education and Research Institute, Vienna, Austria



TEST REPORTS
TEST REPORT SUMMARIES

Technical Testing Institute of Civil Engineering

Slovak Republic

“Test for Strength of Xypex Admix-Treated Concrete Samples Under Compression”, STN 73 1317, Technical Testing Institute of Civil Engineering, Bratislava, Slovak Republic

Technical Testing Institute of Civil Engineering

Slovak Republic

“Test of Xypex Admix-Treated Concrete Samples for Water Tightness”, STN 73 1321, Technical Testing Institute of Civil Engineering, Bratislava, Slovak Republic

Technical Testing Institute of Civil Engineering

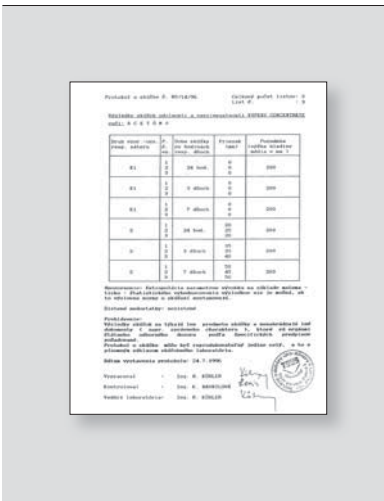
Slovak Republic

“Testing of Impermeability and Resistance of the Xypex Coating Material to Crude Oil”, Institute of Civil Engineering Technology & Testing, Bratislava, Slovak Republic



Technical Testing Institute of Civil Engineering
Slovak Republic

“Tests of Impermeability and Resistance of the Xypex Coating Material to Gasoline, Diesel, Transformer Oil, Silage Juices and Pressurized Water”, CSN 73 1209 and CSN 73 1321, Institute of Civil Engineering Technology & Testing, Bratislava, Slovak Republic



Technical Testing Institute of Civil Engineering
Slovak Republic

“Tests of Fluid Tightness and Resistance of the Coating Material Xypex Concentrate Against Acetone”, STN 73 1311, Institute of Technology & Testing in Civil Engineering, Bratislava, Slovak Republic



Technical Testing Institute of Civil Engineering
Slovak Republic

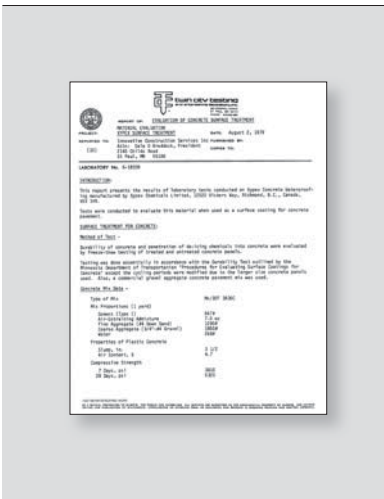
“Tests of Fluid Tightness and Resistance of the Coating Material Xypex Concentrate Against Sulfuric Acid and Sulfide”, Institute of Technology & Testing in Civil Engineering, Bratislava, Slovak Republic





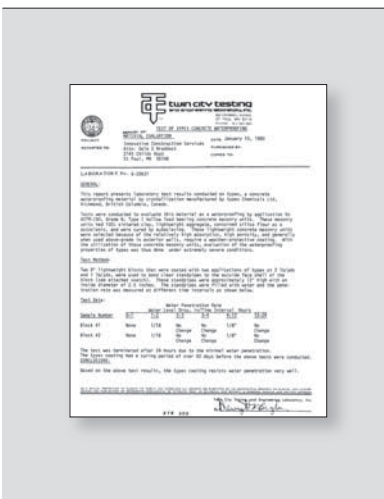
Technical Testing Institute of Civil Engineering
Slovak Republic

“Tests of Fluid Tightness and Resistance of the Coating Material Xypex Concentrate Against Turpentine”, STN 73 1311, Institute of Technology & Testing in Civil Engineering, Bratislava, Slovak Republic



Twin City Testing and Engineering Laboratory
USA

“Evaluation of Treated and Untreated Concrete Panels Exposed to De-Icing Chemicals”, ASTM C672, Twin City Testing and Engineering Laboratory, Inc, St. Paul, Minnesota, USA



Twin City Testing and Engineering Laboratory
USA

“Test to Evaluate Water Penetration Through Concrete Masonry Units”, Twin City Testing and Engineering Laboratory, Inc, St. Paul, Minnesota, USA





Universidad de Los Andes

Colombia

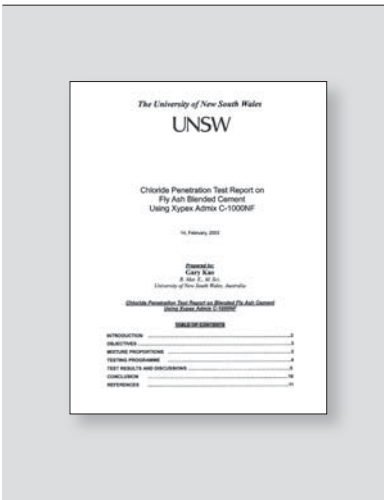
“Test of Permeability of Concrete”, Corps of Engineers CRD C48-73, Universidad de Los Andes, Departamento de Ingenieria Civil y Ambiental, Laboratorio de Estructuras Geotecnia y Pavimentos, Bogota, Colombia



University of New South Wales

Australia

“Investigation of Concrete Slabs Modified with Xypex Waterproofing Admixture”, Building Research Centre, University of New South Wales, Sydney, NSW, Australia



University of New South Wales

Australia

“Chloride Penetration Tests on Xypex Admix C-1000NF Modified Commercial Concretes”, ASTM C1202 (modified) and NT Build 443, University of New South Wales, Sydney, NSW, Australia




University of New South Wales

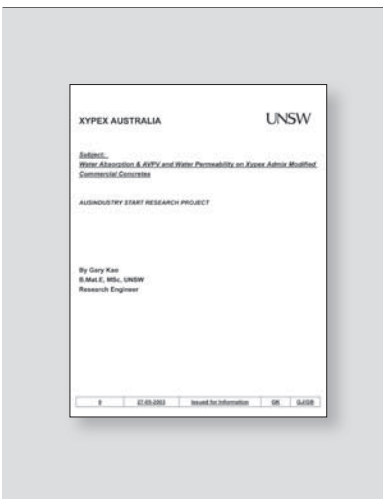
Australia

“Plastic and Hardened State Properties of Xypex Admix C-1000NF Modified Commercial Concrettes”, Slump (AS1012.3), Setting Time (AS1012.18), Compressive Strength (AS1012.9), Dry Shrinkage (AS1012.13), University of New South Wales, Sydney, NSW, Australia


University of New South Wales

Australia

“Sulphate Resistance on Xypex Admix C-1000NF Modified Commercial Concrettes”, AS2350.14, University of New South Wales, Sydney, NSW, Australia


University of New South Wales

Australia

“Water Absorption & AVPV and Water Permeability on Xypex Admix Modified Commercial Concrettes”, AS1012.21 and ACCI, University of New South Wales, Sydney, NSW, Australia

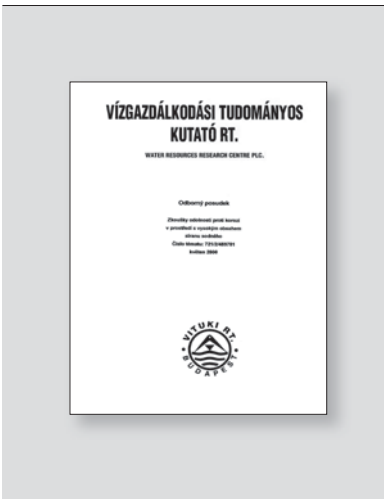




University of New South Wales

Australia

“Chloride Penetration Test Report on Fly Ash Blended Cement Using Xypex Admix C-1000NF”, CSIRO modified ASTM C1202, ACCI, NT Build 443, University of New South Wales, NSW, Australia



Water Resources Management Scientific Research Company

Hungary

“Corrosion Resistance Studies in High Concentration Sodium Sulphate Medium”, Water Resources Management Scientific Research Company (Vituki), Budapest, Hungary



Warnock Hersey Professional Services Ltd.




Canada









“Tests to Determine the Permeability of Concrete Samples Treated with Two Coats of Xypex Concentrate”, Corps of Engineers CRD C48-73, Warnock Hersey Professional Services Ltd, Vancouver, BC, Canada





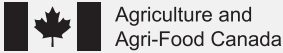












APPROVAL CATEGORIES








Departments of Transportation	193
General	193
Food & Potable Water	195
Health Safety	198
Environmental.....	199
Quality Systems.....	199

DEPARTMENTS OF TRANSPORTATION	
	<p>Departments of Transportation Approval</p> <p>Commonwealth of Kentucky, Transportation Cabinet <i>Frankfort, KY, USA</i></p>
	<p>Departments of Transportation Approval</p> <p>Commonwealth of Pennsylvania, Department of Transportation <i>Harrisburg, PA, USA</i></p>
	<p>Departments of Transportation Approval</p> <p>Colorado Department of Highways <i>Denver, CO, USA</i></p>
	<p>Departments of Transportation Approval</p> <p>Oregon Department of Transportation, Highway Division, Materials & Research Section <i>Salem, OR, USA</i></p>
GENERAL	
	<p>Product Approval</p> <p>Louisville and Jefferson County Metropolitan Sewer District <i>Louisville, KY, USA</i></p>
	<p>Product Approval</p> <p>BBA British Board of Agrèment, Technical Approvals for Construction <i>Herts, United Kingdom</i></p>
	<p>Product Approval</p> <p>BSI Product Services, Construction Products Directive, Council of European Communities <i>Hertfordshire, United Kingdom</i></p>

GENERAL (cont.)	
	<p>Product Approval</p> <p>CEBTP Centre d'Expertise Du Batiment et des Travaux Publics Saint-Rémy-Lès-Chevreuse, France</p>
	<p>Product Approval</p> <p>City of Los Angeles, Department of Building and Safety Los Angeles, CA, USA</p>
	<p>Product Approval</p> <p>Deutsches Institut Für Bautechnik, Anstalt des Öffentlichen Rechts (DIBT) Berlin, Germany</p>
	<p>Product Approval</p> <p>ICC Evaluation Service Inc. Whittier, CA, USA</p>
	<p>Product Approval</p> <p>Instytut Techniki Budowlanej (ITB) Warszawa, Poland</p>
	<p>Product Approval</p> <p>Országos Vízügyi Főigazgatóság (OVF), State Water Conservancy Directorate Budapest, Hungary</p>
	<p>Product Approval</p> <p>Vattenfall Utveckling Certifierings, The State Power Board Stockholm, Sweden</p>
	<p>Product Approval</p> <p>VUPS Výzkumný Ústav Pozemních Staveb Praha, Czech Republic</p>

GENERAL (cont.)	
	<p>Product Approval</p> <p>Instytut Badawczy Dróg i Mostów (IBDIM), Research Institute for Roads and Bridges <i>Warsaw, Poland</i></p>
	<p>Product Approval</p> <p>SINTEF Civil and Environmental Engineering Cement and Concrete <i>Trondheim, Norway</i></p>
	<p>Product Approval</p> <p>Technický a Skúšobný Ústav Stavebný (TSUS), Building Testing and Research Institute <i>Bratislava, Slovak Republic</i></p>
	<p>Product Approval</p> <p>City of Atlanta, Department of Watershed Management <i>Atlanta, GA, USA</i></p>
FOOD & POTABLE WATER	
	<p>Food Approval</p> <p>Agriculture Canada, Food Production and Inspection Branch <i>Ottawa, ON, Canada</i></p>
	<p>Potable Water Approval</p> <p>Eidgenössisches Gesundheitsamt, Service Fédéral de l'Hygiène Publique <i>Berne, Switzerland</i></p>
	<p>Potable Water Approval</p> <p>Australian Water Quality Centre <i>Bolivar, South Australia</i></p>

FOOD & POTABLE WATER (cont.)	
	<p>Potable Water Approval РЕПУБЛИКА БЪЛГАРИЯ, Republic of Bulgaria, Ministry of Health <i>Sofia, Bulgaria</i></p>
	<p>Potable Water Approval Ontario Ministry of the Environment <i>Toronto, ON, Canada</i></p>
	<p>Potable Water Approval Státní Zdravotní Ústav, State Health Institute <i>Prague, Czech Republic</i></p>
	<p>Potable Water Approval National Research Center, Water Pollution Control Laboratories <i>Cairo, Egypt</i></p>
<p>Department of Water and Cleanliness </p>	<p>Potable Water Approval Mairie de Paris, Department of Water and Cleanliness <i>Paris, France</i></p>
	<p>Potable Water Approval Technologiezentrum Wasser (TZM), Technology Center Water <i>Karlsruhe, Germany</i></p>
 ORSZÁGOS TISZTIFŐORVOSI HIVATAL	<p>Potable Water Approval Országos Tisztifőorvosi Hivatal, National Health Officer's Bureau <i>Budapest, Hungary</i></p>
	<p>Potable Water Approval Ministry of Health, Public Health Service <i>Jerusalem, Israel</i></p>

FOOD & POTABLE WATER (cont.)	
	<p>Potable Water Approval</p> <p>Japan Food Research Laboratories <i>Tokyo, Japan</i></p>
	<p>Potable Water Approval</p> <p>Singapore Institute of Standards and Industrial Research <i>Singapore</i></p>
	<p>Potable Water Approval</p> <p>DWI Drinking Water Inspectorate <i>London, United Kingdom</i></p>
	<p>Potable Water Approval</p> <p>Water Regulations Advisory Scheme <i>Gwent, United Kingdom</i></p>
	<p>Potable Water Approval</p> <p>NSF Certified Products, Public Water Supply System Components <i>Ann Arbor, MI, USA</i></p>
	<p>Potable Water Approval</p> <p>Virginia Department of Health <i>Richmond, VA, USA</i></p>
	<p>Potable Water Approval</p> <p>California Department of Health <i>Fresno, CA, USA</i></p>
	<p>Potable Water Approval</p> <p>Florida Department of Health <i>Tallahassee, FL, USA</i></p>

FOOD & POTABLE WATER (cont.)	
 <p>DOH STATE OF NEW YORK DEPARTMENT OF HEALTH</p>	<p>Potable Water Approval</p> <p>New York Department of Health <i>Albany, NY, USA</i></p>
 <p>HelseDirektoratet</p>	<p>Potable Water Approval</p> <p>HelseDirektoratet, Health Services of Norway <i>Oslo, Norway</i></p>
 <p>OhioEPA</p>	<p>Potable Water Approval</p> <p>State of Ohio Environmental Protection Agency <i>Columbus, OH, USA</i></p>
 <p>TEXAS Department of State Health</p>	<p>Potable Water Approval</p> <p>Texas Department of Health <i>Austin, TX, USA</i></p>
 <p>EPA</p>	<p>Potable Water Approval</p> <p>United States Environmental Protection Agency <i>Cincinnati, OH, USA</i></p>
HEALTH SAFETY	
 <p>HRVATSKI ZAVOD ZA TOKSIKOLOGIJU</p>	<p>Health Safety Approval</p> <p>Hrvatski Zavod Za Toksikologiju, Croatian Toxicology Institute <i>Zagreb, Croatia</i></p>
 <p>Government of Western Australia Department of Health</p>	<p>Health Safety Approval</p> <p>Health Department of Western Australia, Environmental Health Branch <i>Perth, Australia</i></p>

HEALTH SAFETY (cont.)	
 <p>MINISTERSTVO ZDRAVOTNICTVÍ ČESKÉ REPUBLIKY</p>	<p>Health Safety Approval</p> <p>Hlavní Hygienik České Republiky, Ministry of Health of the Czech Republic <i>Prague, Czech Republic</i></p>
 <p>MINISTERSTVO ZDRAVOTNICTVA</p>	<p>Health Safety Approval</p> <p>Ministerstvo Zdravotníctva, Ministry of Health of the Slovak Republic <i>Bratislava, Slovak Republic</i></p>
 <p>Tervisekaitseinspektsioon Health Protection Inspectorate</p>	<p>Health Safety Approval</p> <p>Tervisekaitseinspektsioon, Health Protection Inspectorate <i>Tallinn, Estonia</i></p>
ENVIRONMENTAL	
	<p>Environmental Approval</p> <p>Environmental Choice Certification Program <i>New South Wales, Australia</i></p>
	<p>Environmental Approval</p> <p>Ministry of Environmental Protection, Technical Requirement for Environmental Labeling Products HJ456-2009 <i>Beijing, China</i></p>
QUALITY SYSTEMS	
	<p>Quality Systems Approval</p> <p>QMS International plc / BS EN ISO 9001:2008 <i>Norfolk, United Kingdom</i></p>
	<p>Quality Systems Approval</p> <p>BSI Management Systems / ISO 9001:2008 <i>Mississauga, ON, Canada</i></p>