

Certification Body:



**BUREAU
VERITAS**

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Certificate Holder:



Xypex Australia
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Certificate number: CM70160

THIS TO CERTIFY THAT

Xypex® Concentrate

Type and/or use of product:

Xypex® Concentrate is a chemical treatment applied to the surface of a concrete structure to create Xypex Watertight Concrete which prevents the penetration of water into the concrete making it weatherproof and protecting it from rising damp.

Description of product:

Xypex® Concentrate is a hydrophilic, crystalline chemical treatment that is applied as a cementitious slurry to the ICRI CSP-3 prepared, pre-saturated surface of concrete structures which diffuses the active Xypex® ingredient into the concrete creating a permanent, crystalline structure which blocks the pores, capillaries and static microcracks up to 0.4mm in width in the concrete matrix.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2022

	Volume One		Volume Two	
Performance Requirement(s)	F3P1	Weatherproofing	H2P2	Weatherproofing
	F1P4	Rising damp	H2P3	Rising damp
Deemed-to-Satisfy Provision(s):	N/A		N/A	
State or territory variation(s):	N/A		N/A	



Sam Guindi – Product Certification Manager
Bureau Veritas Australia Pty Ltd



Harley Parkes - Unrestricted Building Certifier
Jensen Hughes Pty Ltd

Date of issue: 25 March 2025

Date of expiry: 25 March 2028



Certificate of Conformity

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

1. All preparation, mixing and application of Xypex® Concentrate shall be as per Xypex® Concentrate Cementitious Crystalline Concrete Product Technical Datasheet, DAT-CON-AU REV-09-21 and the Xypex Method Statement - XYPEX CRYSTALLINE COATING SYSTEM Xypex Concentrate Coating – Reference 2018-06.
2. Concrete structures shall be designed and constructed in accordance with the current, relevant Australian Standards listed below to achieve the desired weatherproofing and rising damp performance including but not limited to concrete mix design, reinforcement design, construction joints, movement joints, penetrations, crack control, post-tensioning, concrete placement, compaction, finishing, early age protection and curing. Relevant Australian Standards include:
 - a. AS3600-2018 Concrete Structures
 - b. AS3735-2001 Concrete Structures for Retaining Liquids
3. The construction of waterproof basements in saturated ground and below the water table in addition to the application of Xypex® Concentrate, the overall design of the basement shall be considered, including any additional waterproofing measures that are required to prevent and control water entry throughout the life of a structure to prevent rising dampness and water ingress. Subject to engineering specification on a case-by-case basis.
4. After the curing of the Xypex® Concentrate coating (minimum 36 hours), normal backfilling procedures shall take place. If backfilling is carried out within 7 days after the initial set (refer to Xypex® Concentrate Cementitious Crystalline Concrete Product Technical Datasheet, DAT-CON-AU REV-09-21) the backfilling material shall be moist to ensure moisture is not drawn from the Xypex® Concentrate coating or the concrete itself.
5. Any additional applied finishes such as paint, epoxy, grout, cement parge coat, plaster, stucco etc are not covered by this certificate. The installer shall take full responsibility to ensure acceptance by, or adhesion to, the treated concrete surface is achieved by such finishes including, if required, any additional bonding system.

Building classification/s:

Volume 1 – Class 2 to Class 9 buildings
Volume 2 – Class 1 and Class 10 buildings

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As above

A2 Description of product

As above

A3 Product specification

For further details on the product specification (and how to specify) refer to:

1. XYPEX AUSTRALIA, Product Specification, Xypex Crystalline Waterproofing Concentrate Coating, 13.03.25

A4 Manufacturer and manufacturing plant(s)

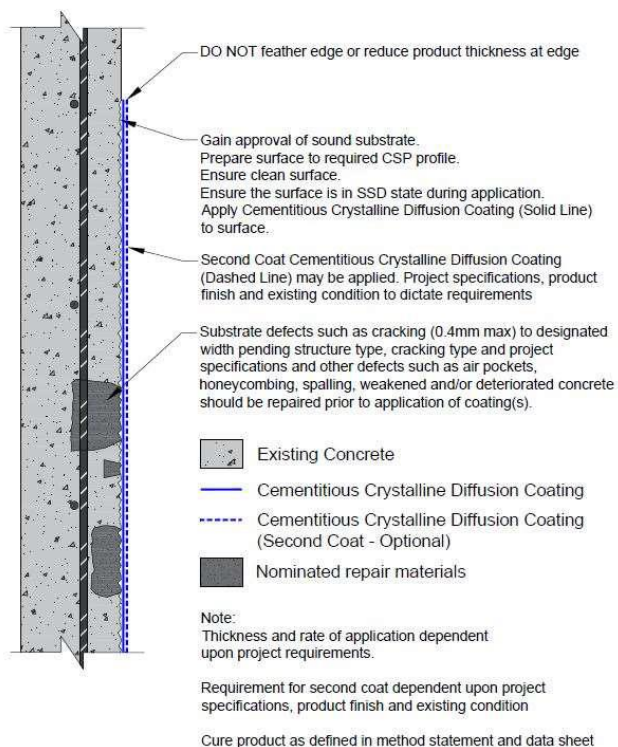
XYPEX AUSTRALIA - 76 Merkel Street, Thurgoona, NSW 2604

A5 Installation requirements

Xypex® Concentrate shall be applied in accordance with the following manufacturer's documentation.

1. Xypex® Concentrate Cementitious Crystalline Concrete Waterproofing Technical Datasheet - DAT-CON-AU REV-09-21
2. Xypex Method Statement - XYPEX CRYSTALLINE COATING SYSTEM Xypex Concentrate Coating – Reference 2018-06

Certificate of Conformity



Cementitious Crystalline Diffusion Coating Application

Figure 1: Extract from Method Statement - XYPEX CRYSTALLINE COATING SYSTEM Xypex Concentrate Coating 2018-06

Note: The use of Xypex Concentrate is no substitute for careful waterproofing details around windows and doors using state of the art materials, recognised construction details and professional and skilled workmanship, these are all essential to creating a watertight building structure.

A6 Other relevant technical data

Other relevant technical data can be found at www.xypex.com.au via the following links:

<https://www.xypex.com.au/products/coatings/xypex-concentrate>

<https://www.xypex.com.au/technical/product-qa-and-certification>

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

BCA 2022

1. Weatherproofing
A2G2(2)(a)/A5G3(1)(d) – A test from a registered laboratory (Czech Technical University in Prague Faculty of Civil Engineering Testing Laboratory No. 1048 Accredited by CIA (Czech Accreditation Institute))
A2G2(2)(a)/A5G3(1)(e) - A certificate or report from a professional engineer or other appropriately qualified person (BCRC Durability Consultants).
2. Rising Damp
A2G2(2)(a)/A5G3(1)(d) – A test from a registered laboratory Czech Technical University in Prague Faculty of Civil Engineering Testing Laboratory No. 1048 Accredited by CIA (Czech Accreditation Institute)
A2G2(2)(a)/A5G3(1)(e) - A certificate or report from a professional engineer or other appropriately qualified person (BCRC Durability Consultants).

B2 Reports

Weatherproofing

1. **BCRC Durability Consultants, Appraisal Report for Xypex Crystalline Waterproofing Concentrate Coating, Report No. BCRCN10575/MM240116, 16.01.24.**
This appraisal describes the basis of a performance solution based on test reports to satisfy the relevant Performance Requirements and DTS provisions of the NCC 2022.
2. **PROTOCOL No.: 12301912010 – Czech Technical University in Prague Faculty of Civil Engineering Testing Laboratory No. 1048 Accredited by CIA (Czech Accreditation Institute), Depth of Water Penetration of Xypex Concentrate Treated Concrete by the Czech Technical University CSN EN 12390-8, Date of issue 30.7.2010**
This document provides testing for Depth of Water Penetration to CSN EN 12390-8, Adhesion by pull-off test to ČSN EN 1542 and the determination of concrete tensile splitting strength to ČSN BN 12390-6

Rising Damp

3. **BCRC Durability Consultants, Appraisal Report for Xypex Crystalline Waterproofing Concentrate Coating, Report No. BCRCN10575/MM240116, 16.01.24**
This appraisal describes the basis of a performance solution based on test reports to satisfy the relevant Performance Requirements and DTS provisions of the NCC 2022.
4. **PROTOCOL No.: 12301912010 – Czech Technical University in Prague Faculty of Civil Engineering Testing Laboratory No. 1048 Accredited by CIA (Czech Accreditation Institute), Depth of Water Penetration of Xypex Concentrate Treated Concrete by the Czech Technical University CSN EN 12390-8, Date of issue 30.7.2010**
This document provides testing for Depth of Water Penetration to CSN EN 12390-8, Adhesion by pull-off test to ČSN EN 1542 and the determination of concrete tensile splitting strength to ČSN BN 12390-6