

Certification Body:



**BUREAU
VERITAS**

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Certificate Holder:



Xypex Australia
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Certificate number: CM70180

THIS TO CERTIFY THAT

Xypex® Admix C-1000 NF and Admix C-5000

Type and/or use of product:

Xypex® Admix C-1000 NF and Xypex® Admix C-5000 are concrete admixtures which are added to concrete to create Xypex® Watertight Concrete which prevents the penetration of water into the concrete making it weatherproof, durable and protecting it from rising damp.

Description of product:

Xypex® Admix C-1000NF and Xypex® Admix C-5000 are hydrophilic, crystalline chemical admixtures comprising of Portland cement, lime, silica sand and proprietary chemicals. (Refer additional information in Section A2 below).

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

BCA 2022

	Volume One		Volume Two	
Performance Requirement(s)	F3P1 F1P4	Weatherproofing Rising damp	H2P2 H2P3	Weatherproofing 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: 13 August 2025

Date of expiry: 13 August 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, dosing, mixing and application of Xypex® Admix C-1000NF and Admix C-5000 shall be as per the following documents:
 - a) Xypex® Admix C-1000NF Cementitious Crystalline Concrete Waterproofing Product Technical Datasheet, DAT-ADM1-AU REV-03-23.
 - b) Xypex® Admix C-5000 Cementitious Crystalline Durability Enhancing & Waterproofing Admixture Product Technical Datasheet, DAT-ADM5-AU REV-03-23.
 - c) Xypex® Crystalline Waterproofing Additives – Xypex® Admix C-1000NF and Admix C-5000 Product Technical Statement – PT-ADM-AUS REV-06-25.
2. Concrete structures shall be designed and constructed in accordance with the current 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. The Australian Standards include:
 - a) AS3600-2018 Concrete Structures
 - b) AS3735-2001 Concrete Structures for Retaining Liquids
3. When incorporating Xypex® Admix C-1000NF and Xypex® Admix C-5000 into a concrete mixture, the temperature of the mix shall be over 4°C.
 - a) Concrete containing Xypex® Admix C-1000NF and Xypex® Admix C-5000 does not preclude the requirement for design of crack control, construction joint detailing, proper placement, consolidation and curing of the concrete and measures for repairing defects such as honeycombing, tie holes, cracks beyond specified limits (0.5 mm).
4. Xypex® Admix C-1000 NF is formulated for concrete mix designs where a normal or mildly delayed set is desired. Concrete containing the Xypex® Admix C-1000 NF may develop higher ultimate strengths than plain concrete. Trial mixes should be carried out under project conditions to determine the setting time and strength of the concrete dosed with Xypex® Admix C-1000 NF. Consult with a Xypex® Technical Services Representative at www.xypex.com.au for the most appropriate Xypex® Admix for your project.
5. When using Xypex® Admix C-5000, extension of set time may occur. The amount of extended set will depend upon the concrete mix design and the dosage rate of the Admix. Concrete containing Xypex® Admix C-5000 may develop higher ultimate strengths than plain concrete. Trial mixes should be carried out under project conditions to determine setting time and strength of the concrete. Consult with a Xypex® Technical Services Representative at www.xypex.com.au for the most appropriate Xypex® Admix for your project.
6. Normal backfilling procedures should take place after curing of the concrete. If backfilling takes place within 7 days after the initial set, the backfilling material shall remain moist to ensure excess moisture is not drawn from the concrete.

Building classification/s:

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

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7. For the construction of waterproof basements in saturated ground and below the water table in addition to the waterproofing treatment of the concrete by Xypex[®] Admix C-1000NF or Xypex[®] Admix C-5000, 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.
8. Any additional applied finishes such as paint, epoxy, grout, cement pargé 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.

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

Xypex® Admix C-1000NF and Xypex® Admix C-5000 are admixtures that react with hydration by-products and moisture in the concrete to form a crystalline structure. This structure fills pores, capillaries and static microcracks up to 0.5mm in width in and permanently seals the concrete, preventing the penetration of water making the concrete weatherproof, resistant to rising damp and more durable.

A3 Product specification

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

- a) Xypex® Admix C-1000NF Cementitious Crystalline Concrete Waterproofing Product Technical Datasheet, DAT-ADM1-AU REV-03-23
- b) Xypex® Admix C-5000 Cementitious Crystalline Durability Enhancing & Waterproofing Admixture Product Technical Datasheet, DAT-ADM5-AU REV-03-23
- c) Xypex® Crystalline Waterproofing Additives – Xypex® Admix C-1000NF and Admix C-5000 Product Technical Statement – PT-ADM-AUS REV-06-25
- d) Xypex® Australia, Product Specification - Xypex® Crystalline Waterproofing Admixes C-1000NF & C-5000, 19.03.25



A4 Manufacturer and manufacturing plant(s)

Xypex® Australia - 76 Merkel Street, Thurgoona, NSW 2604.

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A5 Installation requirements

- Xypex® Crystalline Waterproofing Additives shall be applied in accordance with the following manufacturer's documentation.
 - a) Xypex® Admix C-1000NF Cementitious Crystalline Concrete Waterproofing Product Technical Datasheet, DAT-ADM1-AU REV-03-23.
 - b) Xypex® Admix C-5000 Cementitious Crystalline Durability Enhancing & Waterproofing Admixture Product Technical Datasheet, DAT-ADM5-AU REV-03-23.
 - c) Xypex® Crystalline Waterproofing Additives – Xypex® Admix C-1000NF and Admix C-5000 Product Technical Statement – PT-ADM-AUS REV-06-25.
- Xypex® Australia strongly recommends dosing Xypex® Admix C-1000NF and Xypex® Admix C-5000 in isolation of, or sequentially separate to, other additives, such as plasticizers, water reducers, retarders etc. to avoid direct contact.
- Dosage rates may vary, and the user should consult Xypex® Australia's Technical Department or your local Xypex® Representative at www.xypex.com.au for assistance in determining the appropriate dosage rate and for further information regarding enhanced chemical resistance, optimum concrete performance, or meeting the specific requirements and conditions of a specific project.
- Trial mixes are strongly recommended to ensure desired plastic and hardened performance is achieved including set time.

A6 Other relevant technical data

- Depth of Water Penetration Under Pressure in Hardened Concrete EN12390-8 – TOLO Technical and Testing Construction Institute SNAS Reg. No. 004/S-045.
- DIN 1048-5 Water Permeability Testing - Boral NATA Accredited Laboratory No.547.
- European Technical Assessment ETA-18_1129 – Deutsches Institute für Bautechnik (DIBt) for the European Organisation for Technical Assessment (EOTA) using Test EN12390-8.
- DIN 1048-5 Water Permeability Testing – K&H NATA Accredited Laboratory No.5613.
- Other relevant technical data can be found at www.xypex.com.au via the following links:
 - a) <https://www.xypex.com.au/products/admixtures>
 - b) <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)(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)(e) - A certificate or report from a professional engineer or other appropriately qualified person (BCRC Durability Consultants).

B2 Reports

Weatherproofing

1. **BCRC Durability Consultants, Professional Engineers Report Evidence of Suitability to Support Xypex® Watertight Concrete (Xypex® Crystalline Waterproofing Admixtures C-1000 NF & C-5000) as a Performance Solution for Weatherproofing and Rising Damp Performance Requirements in Australia's National Construction Codes 2019 and 2022, dated 10 April 2024.**
This appraisal describes the basis of a performance solution based on test reports to satisfy the Performance Requirements of NCC 2022 F3P1, F1P4, H2P2 and H2P3.

Rising Damp

2. **BCRC Durability Consultants, Professional Engineers Report Evidence of Suitability to Support Xypex® Watertight Concrete (Xypex® Crystalline Waterproofing Admixtures C-1000 NF & C-5000) as a Performance Solution for Weatherproofing and Rising Damp Performance Requirements in Australia's National Construction Codes 2019 and 2022, dated 10 April 2024.**
This appraisal describes the basis of a performance solution based on test reports to satisfy the Performance Requirements of NCC 2022 F3P1, F1P4, H2P2 and H2P3.