



ARDEX CA 20 P

Multipurpose Construction Adhesive and Sealant

Ideal for minor repair applications

Extremely versatile - bonds a wide range of materials including metal, glass, wood, ceramics and plastic

Use to seal expansion and connection joints

Extremely flexible

High initial tack and bond strength

Neutral curing system - free of solvents, water and isocyanates

Can be painted over

Shrinkage free drying

Single component Silane Modified Polymer (SMP)

Internal and external, wall and floor

Low VOC content - meets Green Building Council of Australia Green Star IEQ-13 requirements

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ARDEX CA 20P

Multipurpose Construction Adhesive and Sealant

DESCRIPTION

ARDEX CA 20P is a one component, silane modified polymer adhesive and neutral curing sealant which hardens in reaction with moisture. ARDEX CA 20P is extremely flexible, with a high initial tack and good bond strength, making it suitable for a wide range of applications. It is ideal as a general shower, kitchen and bathroom repair adhesive and sealant for replacing tiles, fitting accessories such as soap holders and finishing off joints. Its shrinkage free drying and ability to be used internally and externally on walls and floors adds to the versatility of ARDEX CA 20P.

For larger areas and/or chemical resistance applications tests should be carried out prior to use.

USE

ARDEX CA 20P is ideal for bonding most construction materials including glass, tiles, ceramics, wood, plastic and metal. It can also be used for repairing areas of loose tiles, carpet or vinyl; for fixing decorative, acoustic and thermal insulation panels as well as decorative beams and sections; also for fixing skirting boards, cable ducts, mirrors, bathroom and shower accessories, and door handles.

ARDEX CA 20P can be used for elastic joints between wood, plastic, metal and ceramic materials or for sealing expansion and connection joints.

ARDEX recommend a trial application to optimise the conditions for particular applications.

TO (SUBSTRATES)

Include concrete, wall panels, timber, waterproofing membranes, glazed and unglazed ceramic tiles, aluminium, plastics, metal, glass, fibreglass and polystyrene foam.

SUBSTRATE PREPARATION

In general, the substrate or joint must be clean, firm and free of dust, dirt, oil, grease, curing compounds, old adhesive residues, paints, coatings, bitumen, tar, release agents and other barrier materials.

For optimum performance, the substrate or joint can be slightly damp (no standing water). It is recommended that the backgrounds required drying time, (i.e. concrete) as given in the relevant part of AS 3958, is allowed to elapse prior to fixing materials.

APPLICATION

Remove aluminium seal at the bottom of the cartridge, pierce the protective membrane at the tapered nozzle, attach and trim nozzle to required size and place cartridge in applicator gun.

When using ARDEX CA 20P at low temperatures, it is advisable to pre-warm the cartridge in warm water.

Do not apply ARDEX CA 20P at temperatures below 5°C or above 35°C.

Apply ARDEX CA 20P in stripes to the substrate or to the item to be fixed. Press the items firmly together within 7-10 minutes after application (at a temperature of 20°C) and before skinning of the adhesive starts. If using the product for spot fixing repairs, ensure that the maximum distance between glue points is 25 to 30cm and observe the weight of the item being fixed.

The drying time depends on the substrate, climatic conditions and the materials being fixed. Higher humidity will shorten the open time, while lower humidity will extend the open time.

Close open cartridges and reuse as soon as possible. Note: Always remove a small layer of any skinned adhesive before reusing.

If in doubt about characteristics, carry out a trial application. Spillage can be removed when wet using a clean cloth, if the material has dried then scraping with a blade will be required.

PACKAGING

ARDEX CA 20P is packed in a metal cartridge – 310mL net volume.

SHELF LIFE

ARDEX CA 20P has a shelf life of not less than 12 months when stored in the original, unopened packaging, in a dry place at 23°C and 50% relative humidity.

Pay attention to the following:

ARDEX CA 20P can be painted over after drying with most commonly used paints; due to the vast range of paints and coatings on the market we recommend a small test area prior to proceeding.

Do not use ARDEX CA 20P for chemical resistant applications, use ARDEX epoxy grouts.

Fixing onto fibreglass, with or without grinding the glaze, is recommended only for small repair applications.

SAFETY DATA

Avoid contact with skin and eyes; in case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Harmful to aquatic life with long lasting effects. Avoid release to the environment. Wear protective gloves, clothing and eye protection. Avoid inhaling dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Check with your local Council regarding the disposal of contents. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at www.ardexaustralia.com

TECHNICAL DATA

Material Base: Silane Modified Polymer
Colour: White or Black paste
S.G. approx. 1.45kg/litre

Application Properties at 23°C and 50% RH

Application Temperature: 5°C to 35°C
Skimming/ Open Time: approx. 7-10 minutes
Curing Time: 3-4mm/24 hours
Shrinkage: < 1%
Temperature Resistance: -40°C to +90°C (short term of 15-20 mins up to +200°C)

Practical Expansion: 25%
Material Requirement: 30-40mL per metre
Hardness, Shore A: approx. 40

Mechanical Properties ISO 13007

Shear Adhesion Strength: 2.0MPa
Tensile Adhesion Strength: 1.0MPa

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GUARANTEE

ARDEX Australia Pty Ltd (“we” or “us”) guarantees this product (“our goods”) is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: technicalservices@ardexaustralia.com) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a “consumer” under the Australian Consumer Law and to that extent you need to be aware that: “Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure”.

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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This datasheet was issued in October 2019 and is valid for 3 years, in some instances a newer version may be published. Always refer to www.ardexaustralia.com for the latest technical data from ARDEX Australia Pty Ltd.