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# ARDEX CA 20 P PLUS

## Multipurpose Construction Adhesive and Sealant

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Shrinkage free drying

High initial tack and bond strength

Fixes a wide range of materials including metal, glass, wood, ceramics and plastic

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### DESCRIPTION

ARDEX CA20P Plus is a one component, silane modified polymer adhesive and neutral curing sealant which hardens in reaction with moisture. ARDEX CA20P Plus 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 CA20P Plus.

ARDEX CA20 P Plus is designed for specific use in fresh, underwater environments ONLY. It is not recommended for use in water that has been treated with chemicals, e.g. a swimming pool. For further information please contact ARDEX Technical Services. For larger areas and/or chemical resistance applications tests should be carried out prior to use.

### USE

ARDEX CA20P Plus 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 CA20P Plus 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, aged 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. For a good bond to green concrete substrates, prime with ARDEX WPM 300.

### APPLICATION

Pierce the protective membrane at the tip, attach and trim nozzle to required size and place cartridge in applicator gun.

Apply ARDEX CA20P Plus 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.

When using ARDEX CA20P Plus at low temperatures, it is advisable to pre-warm the cartridge in warm water.

Do not apply ARDEX CA20P Plus at temperatures below 5°C or above 35°C.

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 CA20P Plus is packed in a PCR cartridge – 310mL net volume.

### SHELF LIFE

ARDEX CA20P Plus can be stored for up to 12 months if stored in original, unopened cartridge in cool, dry frost free conditions.

Pay attention to the following:

ARDEX CA20P Plus 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 CA20P Plus for chemical resistant applications, use ARDEX epoxy grouts.

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

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### SAFETY DATA

Keep out of reach of children and store away from food stuffs. Use in well-ventilated areas. Avoid skin and eye contact. If uncured material makes contact with the eye, flush with clean water for 15 minutes and seek medical advice. In case of skin contact, first wipe skin with a dry cloth then wash with soap and water. If respiratory discomfort is experienced, move to an area for fresh air. If swallowed, do not induce vomiting and seek medical advice. Wear protective gloves, clothing and eye protection. Avoid inhaling dust/fume/gas/mist/vapours/spray. Check with your local Council regarding the disposal of contents. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. For further technical or health and safety information, please refer to the latest technical or Safety data sheet at [www.ardexaustralia.com](http://www.ardexaustralia.com)

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

APPLICATION PROPERTIES AT 23°C AND 50% RH	
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%
Requirement	30 - 40mL per metre
Hardness, Shore A	approx. 40

MECHANICAL PROPERTIES (ISO 13007)	
Shear Adhesion Strength	2.0 MPa
Tensile Adhesion Strength	1.0 MPa

### 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](mailto: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 or 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

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This data sheet was issued in August 2023 and is valid for 3 years, in some instances a newer version may be published. Always refer to [www.ardexaustralia.com](http://www.ardexaustralia.com) for the latest technical data from ARDEX Australia Pty Ltd.