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# ARDEX CA 20 P

## Multipurpose Construction Adhesive and Sealant

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Can be used underwater, 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 over painted

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 20 P

## Multipurpose Construction Adhesive and Sealant

### DESCRIPTION

ARDEX CA 20 P is a one component, silane modified polymer adhesive and neutral curing sealant which hardens in reaction with moisture. ARDEX CA 20 P 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 20 P.

It can be used in underwater applications, either applied to the immersed substrate or to the item to be fixed, making it ideal when minor repairs and alterations need to be carried out.

### USE

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

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

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

### SHELF LIFE

ARDEX CA 20 P 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 20 P achieves a good bond underwater. We recommend a trial application to ensure a good bond is achieved. The long-term stability when fixed underwater may vary depending on application.

ARDEX CA 20 P can be over painted 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 20 P for chemical resistant applications, use ARDEX epoxy grouts.

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

### SAFETY PRECAUTIONS

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 the 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, drink plenty of water in small portions, do not induce vomiting and seek medical advice. Keep out of reach of children.

For further material safety data, consult the latest Material Safety Data Sheet.

### TECHNICAL DATA

**Material Base:** Silane Modified Polymer  
**Colour:** White 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 AS 4992

**Shear Adhesion Strength:** >2 MPa  
**Tensile Adhesion Strength:** 1.0N/mm<sup>2</sup>

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