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# ARDEX CA 20 P™

## Multi-Purpose Construction Adhesive and Sealant

**Sticks to virtually anything...even under water**

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

**Ideal for minor repair applications, even under water**

**Available in white**

**High bond strength**

**Use to fill movement joints**

**Interior and exterior walls and floors**

**Highly flexible**

**Neutral curing system - Free of solvents, water and isocyanates**

**Can be painted**

**Shrinkage free drying**

**Zero VOC content**

**Single component modified silane polymer**



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# ARDEX CA 20 P™

## Multi-Purpose Construction Adhesive and Sealant

### Description

ARDEX CA 20 P™ is a one-component, modified silane, polymer adhesive and neutral curing sealant that hardens in reaction with moisture. ARDEX CA 20 P is extremely flexible with excellent bond strength, making it suitable for a wide range of applications. It is ideal for replacing tiles or for use as a general shower, kitchen and bathroom repair adhesive and sealant for fitting accessories such as soap holders. ARDEX CA 20 P is shrinkage free and can be used to fill movement joints. Use on interior or exterior walls and floors. ARDEX CA 20 P is ideal for bonding most construction materials, including glass, tiles, ceramics, wood, plastic and metal.

ARDEX CA 20 P can be used in underwater applications, either applied to the immersed substrate or to the item to be affixed, making it ideal when minor repairs and alterations need to be carried out in fountains or other wet areas. ARDEX CA 20 P is intended for minor, temporary tile repairs in pools, such as re-affixing tiles that release while a pool is filled and until such time that the pool is drained for annual closing or maintenance. ARDEX CA 20 P is not intended for use as an exposed surface within a pool, such as in joints, nor is it intended for permanent installation of pool tiles.

### Use For

- Minor tile repairs
- Attaching bathroom and shower accessories and door handles
- Virtually any repair

### Bonds To

Refer to the manufacturer of the item being affixed for acceptable substrates.

ARDEX CA 20 P bonds to concrete, well-bonded cementitious underlayments, APA grade underlayment plywood (untreated), radiant-heated subfloors where temperatures do not exceed 85°F (29.4°C), gypsum drywall panels, ceramic tiles, plastic, metal, select waterproofing membranes, polystyrene foam and fiberglass\*. Please note that all substrates must be sound, solid and well bonded.

\*Fiberglass substrates, whether or not the glaze is roughened mechanically, are suitable only for minor repairs, especially in submerged applications.

### Preparation

Refer to the manufacturer of the item being affixed for specific recommendations.

Acceptable installation temperatures range from 50°F (10°C) to 85°F (29°C).

Substrate must be sound, smooth and flat. Ensure that the substrate is solid and fixed securely to provide a rigid base free of undue flex. All loose wood must be re-nailed to create a sound surface. Patching and/or leveling materials must have a minimum compressive strength of 3,000 psi.

Substrate must be clean and free of excess moisture and alkali. Mechanically remove dirt, wax, grease, paints, oils, sealers, curing compounds and all foreign matter that would interfere with proper adhesion. Please note that when removing existing flooring, any asbestos-containing materials should be handled and disposed of in accordance with applicable federal, state and local regulations.

### Dimensional Stability of Flooring Structures

Some floor coverings may grow or shrink as a result of acclimation, handling and/or how the product was manufactured. Install representative test areas to determine the suitability of ARDEX CA 20 P to resist any dimensional change. Please note that ARDEX cannot be held responsible for installation issues caused by dimensional changes in flooring structures. Please also note that ARDEX CA 20 P is recommended only for minor repairs.

### Installation

Refer to the manufacturer of the item being affixed for specific instructions.

Apply ARDEX CA 20 P in strips to the substrate or to the item to be affixed. Allow a maximum distance of 9" - 11" (22 - 28 cm) between glue points. Set the item to be affixed immediately into the wet adhesive. Objects that are heavy enough to sag should be supported until ARDEX CA 20 P reaches its full cure.

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Do not apply more adhesive than can be covered within 7 - 10 minutes (50% relative humidity). ARDEX CA 20 P will start to skin over within 7 - 10 minutes, depending on temperature and humidity. As this material reacts with moisture, please note that the skin will develop faster in higher humidity environments. If the adhesive dries or skins over, it must be scraped up, and fresh adhesive needs to be applied.

Adhesive must set a minimum of 24 hours before receiving traffic. Lower humidities will extend dry time.

## **Cleanup**

Remove wet adhesive residue with a clean, white cloth dampened with soapy water. Dried adhesive must be scraped with a blade for removal.

## **Notes**

FOR PROFESSIONAL USE ONLY.

As always, ARDEX recommends conducting an adequate number of test areas to determine the suitability of the product for its intended use. This is especially important for applications where the ARDEX CA 20 P will be painted and for submerged applications. The long-term stability of underwater applications may vary, depending on application.

Dispose of container and residue in accordance with federal, state and local waste disposal regulations. Do not flush material down drains.

## **Precautions**

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Material Safety Data Sheet (MSDS) available at [www.ardexamericas.com](http://www.ardexamericas.com).

## Technical Data According to ARDEX Quality Standards

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All data based on 1/4" (6.35 mm) bead installed at 70°F (21°C) and 50% relative humidity. Physical properties are typical values and not specifications.

<b>Material Base:</b>	Modified Silane Polymer
<b>Colors:</b>	White
<b>Storage Conditions:</b>	40 - 90°F (5 - 32°C). Max. 50% relative humidity. Do not freeze or expose to moisture.
<b>Skinning Time:</b>	7 - 10 minutes
<b>Curing Time:</b>	24 hours
<b>Shrinkage:</b>	< 1%
<b>Operating Temperature:</b>	-40 - 194°F (-40 - 90°C)
<b>Practical Expansion:</b>	25%
<b>Coverage per Package:</b>	1/4" (6.35 mm) Bead 32 linear ft. (9.75 linear M) 1/8" (3.18 mm) Bead 64 linear ft. (19.5 linear M)
<b>Hardness Shore A:</b>	Approx. 40
<b>Shear Adhesion Strength:</b>	>290 psi (2 N/mm <sup>2</sup> )
<b>Tensile Adhesion Strength:</b>	145 psi (1 N/mm <sup>2</sup> )
<b>Warranty:</b>	ARDEX Engineered Cements Standard Limited 1-Year Warranty. Failure to follow written directions will void the warranty. For complete warranty details, please visit <a href="http://www.ardexamericas.com">www.ardexamericas.com</a> .
<b>Shelf Life:</b>	18 months
<b>VOC:</b>	0 g/L
<b>Packaging:</b>	10.5 oz. (310 mL) Cartridge

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