

CRESBOND AR is a single component acrylic copolymer emulsion based product which is used in cementitious mortar and screed as an admixture and as a bonding agent and curing agent for concrete and patch repair.

USES

- Bonding: For bonding of new to old concrete.
- As a primer for all cement based repair products.
- Admixture: As an admixture for cementitious systems. Improves the durability, water proofing and abrasion resistance properties of mortars.
- For repairing cement and mortar.
- Bonding agent for rendering, plaster, screed and concrete.

USES

- Single component, easy to use.
- Excellent adhesion to concrete, stonework, masonry, etc.
- Improves bond, compressive and tensile strength of cementitious mixes.
- Suitable for internal and external application
- Increases durability and flexibility
- Compatible with all types of cements.

SURFACE PREPARATION

Make sure the surface is dry and not subject to rising or continual dampness. Clean well to remove all unsound and foreign matter i.e. mould oil, dust, laitance, grease, lime wash, distemper, emulsion paint, flaking paint, etc.

BONDING SLURRY

Surfaces should be saturated with water to avoid possible backwater at the moment of casting. However, ensure that the surface is free of standing water. Prepare a bonding slurry by mixing two parts O.P. Cement to one part of **CRESBOND AR**. Using a stiff brush, work the bonding slurry well into the damp surface, ensuring that no pinholes are visible. Do not apply bonding slurry at a thickness in excess of 2 mm. If a second coat is necessary, it must be applied at right angles to the first to ensure complete coverage. The mixed bonding slurry should be applied at 1-2 kg/m²



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	Milky white liquid	-
Specific Gravity @25°C	1.01 (±0.03)	-
Solid Content, %	32(±2)	ASTM D 2369
pH	8.5 to 9.5	ASTM D 1293
Flammability	None	-

All values given are subject to 5-10% tolerance

MIXING

CRESBOND AR must be diluted with water according to the required application. The solution must be poured into a cement mixer and then cement and filler can be added. Mix for few minutes till homogeneous mixture free from lumps is achieved. At cold conditions use warm water and at high temperatures use cold water to mix the product. **CRESBOND AR**: Standard dosage of 6-8 lit per 50 kg of cement is recommended to be used. For more demanding situations 15 lit per 50 kg of cement is recommended. Mixing should be carried out in an efficient concrete mixer. Pour the required quantity of sand and cement and premix for approximately one to two minute. Pour the required quantity of **CRESBOND AR** and mix for two minutes. Add the water slowly until the required consistency is achieved. Avoid adding excessive water which will result in segregation and bleeding.

RENDER TO VERTICAL SURFACES

Apply the bonding slurry to the prepared surface and then render immediately with **CRESBOND AR** modified mortar. Apply in coats to a maximum thickness of 4-5mm per coat. Several coats can be applied at intervals of 20-30 minutes. Thicker coating can be applied when suitable form work is used. Finish the surface using wooden float or steel trowel.

SCREEDS AND TOPPINGS

Screeds based on **CRESBOND AR** modified mix should be placed over the wet bonding slurry, well compacted and struck off to level. It may be trowelled to the required finish using a steel trowel.

CLEANING

Clean all the tools with water immediately after use.

CURING

Proper curing of **CRESBOND AR** modified mixes is vital. Small patch repairs can be cured with **CRESBOND AR**. Large areas should be cured by resin based curing compounds, wet hessian or water mist methods.

DOSAGE

For normal use with cement sand screed, the standard doses of 5-6 lit of for 50 kg of OPC is recommended.

PACKING

200 L drum and 20 L jerry can.

STORAGE

The drums & cans must be stored in a covered area, away from direct sunlight and protected from extreme temperature.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of the product is 12 months from the date of manufacturing. Excessive exposure to sunlight, humidity and UV rays will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH AND SAFETY

As with all construction chemical products caution should always be exercised. Protective clothing such as goggles should be worn. Treat any splashes to the skins or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

Refer material safety data sheet (MSDS) for further information.