

**ACRYLIC
LATEX - BONDER**

Product codes

ACR08, ACR13 Packaging listed overleaf.

Description

Acrylic Latex - Bonder is a milky white water based dispersion of an acrylic co - polymer. The resulting product used as an admixture will improve the mechanical, chemical and water resistance properties of cementitious screeds and repair mortars. Acrylic Latex - Bonder may also be used as a bonding medium for placing cementitious mortar and concrete mixes onto concrete, masonry and brick substrates. Acrylic Latex - Bonder is a single pack product supplied in plastic containers ready for site use. The Latex - Bonder, when used as an admixture, is added to the designed mix as part of the gauging liquid. When used as a bonding medium, the Latex - Bonder is applied to the working substrate using a stiff bristle brush, working the Latex - Bonder well into the surface profile. Once the Acrylic Latex - Bonder has been applied it should be allowed to become tacky before applying the mortar topping wet on wet to the work piece.

- Uses include:**
- General bonding of cementitious mortar and concrete mixes. Concrete repairs.
 - Re-surfacing of masonry structures.
 - Render applications to brick structures.
 - Bonding of cementitious screeds
 - Floor screeds and repairs.

Standards

Acrylic Latex - Bonder has been tested in accordance with appropriate parts of the following standard:
B.S.6319

Specification Outline

Acrylic Latex - Bonder as manufactured by Tecroc Products Ltd should be used as the admixture for floor screeds, floor patch repairs and general cementitious repair mortars. Acrylic Latex - Bonder is also used as the bonding medium for the application of cementitious mortar and concrete mixes. The product must be stored, handled and placed strictly in accordance with the manufacturer's instructions.

Typical Latex - Bonder Properties @ 20°C

- Resin type:** Styrene acrylate
Density: 1.1 kg per litre
Resin concentration: 50% dispersion
Bond strength: 1 to 2 N/mm₂
 (direct pull off) (depending on surface and preparation)
Flexural strength 10N/mm₂
Compressive Strength:
 Mix Design: Cement : Sand 1 : 3
 Gauge: 1 : 1 Latex - Bonder :
 Water

3 Days	7 Days	28 Days
30N/mm ₂	40N/mm ₂	50N/mm ₂

Instructions For Use

Preparation and Application of the Bonding Primer

All contact surfaces must be sound, clean and provide a good mechanical key. Remove all loose material, plaster, paint and oily deposits. Roughen smooth concrete by scabbling or other mechanical means. Corroded reinforcing steel should be fully exposed and cleaned back to bright metal. Cleaned steel should be protected by Steel Primer. Substrates should be surface dry before application of the Acrylic Latex - Bonder bonding primer. The bonding primer must not be allowed to dry before the application of the topping mix. Only prime sufficient area to ensure primer is wet enough to receive the topping.

Mixing and Application of the Cementitious Topping

Two mix designs are given below:

Mix 1 Repair mortar with improved the mechanical, chemical and water resistance properties.

- Portland cement 50kg
- Type M sand 150kg
- Acrylic Latex - Bonder 10 litres
- Water 10 litres (small extra addition of water may be made to obtain desired workability)

Typical application thickness 10mm to 20mm



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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ACRYLIC LATEX - BONDER

Instructions For Use

Mixing and Application of the Cementitious Topping

Mix 2 Heavy duty floor screed and floor patch repair mortar.

Portland cement	50kg
Type M sand	75kg
6mm aggregate	75kg
Acrylic Latex – Bonder	12 litres
Water	10 litres (small extra addition of water may be made to obtain desired workability)
Typical application thickness	20mm to 40mm

Mix 1 and Mix2 sand quantities calculated as dry sand. For wet sand use, increase sand weight by moisture content. Take care to reduce added water accordingly.

Curing of the Cementitious Topping

Applied topping mixes should be cured in accordance with good concrete practice including water-spray; polythene sheeting and the spray applied curing membrane Polycure.

Storage And Shelf Life

Acrylic Latex - Bonder will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 35°C. Storage at higher temperatures may reduce the shelf life. Acrylic Latex - Bonder must be protected from frost.

Stir well before use.

Precautions

Health and Safety

Acrylic Latex - Bonder should not come into contact with skin, eyes or be swallowed. Protective glasses should be worn during mixing and application. Should Acrylic Latex - Bonder come into contact with skin, remove before hardening by washing with soap and water. Should accidental eye contact occur wash with plenty of water and seek medical advice. If swallowed seek medical advice immediately. Do not induce vomiting.

Full health and safety data are given in Product Safety Data Sheet

Fire

Acrylic Latex - Bonder is non-flammable.

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2000 and is assessed by SGS Ltd Systems and Services

Yield

The yield of Acrylic Latex - Bonder will depend on the application. The coverage of the Acrylic Latex - Bonder bonding primer is approximately 5m² per litre dependant on substrate porosity.

Mix 1 will yield approximately 90 litres of mixed material.

Mix 2 will yield approximately 100 litres of mixed material.

Packaging And Ordering

Acrylic Latex - Bonder is supplied in:

25 litre polybottles	Product Code ACR08
5 litre polybottles	Product Code ACR13

Steel Primer is supplied in 20kg bags.

20kg bags Product Code ACR01

Polycure is supplied in 5 litre polybottles

5 litre polybottles Product Code AF03

For further information and sales please contact your local Tecroc Products office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.

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