

ACRYLIC LATEX

Product codes

ACR08 Packaging listed overleaf.

Description

Acrylic Latex 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 may also be used as a bonding medium for placing cementitious mortar and concrete mixes onto concrete, masonry and brick substrates.

Acrylic Latex is a single pack product supplied in plastic containers ready for site use. The latex, when used as an admixture, is added to the designed mix as part of the gaging liquid.

When used as a bonding medium, the latex is applied to the working substrate using a stiff bristle brush, working the latex well into the surface profile. Once the Acrylic Latex has been applied it should be allowed to become tacky before applying the mortar topping wet on wet to the work piece. Acrylic Latex is suitable for both internal and external use.

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

Specification Outline

Acrylic Latex as manufactured by Tecroc Products Ltd should be used as the admixture for floor screeds or floor patch repair mortars and 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.

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9002:1994 and is assessed by SGS Yarsley International Certification Services Ltd

Typical Latex Properties @ 20°C

Resin type: Styrene acrylate
Density: 1.03 kg per litre
Resin concentration: 40% 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 : 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 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 10 litres
Water 10 litres (small extra addition of water may be made to obtain desired workability)
Typical application thickness 10mm to 20mm

Continued overleaf

Head Office
Holly Lane Industrial Estate
Atherstone
Warwickshire
CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

Northern Regional Office
Unit 2 Shawcross Court
Shawcross Business Park
Dewsbury
West Yorkshire. WF12 7RF
Tel: 01924 485548
Fax: 01924 488662

Web site: www.tecroc.co.uk

E-mail: enquiries@tecroc.co.uk

TECROC
PRODUCTS

ACRYLIC LATEX

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	12 litres
Water	10 litres (small extra addition of water may be made to obtain desired workability)
Typical application thickness	10mm to 20mm

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 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 must be protected from frost.

Stir well before use.

Precautions

Health and Safety

Acrylic Latex should not come into contact with skin, eyes or be swallowed. Protective glasses should be worn during mixing and application. Should Acrylic Latex 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 is non-flammable.

Yield

The yield of Acrylic Latex will depend on the application. The coverage of the Acrylic Latex 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 is supplied in 25 litre polybottles.

25 litre polybottles Product Code ACR08

Steel Primer is supplied in 20kg bags.

20kg bags Product Code ACR01

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.