

CEMROK CONCRETE PRIMER A

DESCRIPTION

Cemrok Concrete Primer A is a milky white dispersion of acrylic polymer in a water base, designed to give maximum penetration into the substrate in order to enhance the adhesion of Cemrok concrete repair mortars or other cementitious based repair materials.

USES

Cemrok Concrete Primer A has been designed for use with Cemrok Concrete Repair Materials and Flooring Products. It benefits the bonding of Cemrok Concrete Repair Mortars or other cement based materials to a variety of substrates. **Cemrok Concrete Primer A** is also used for bonding and improving bond to cement based floor screeds.

SPECIAL PROPERTIES

- Water based, non toxic and safe to use.
- Single component, easy to apply.
- Ensures excellent adhesion to a wide range of substrates and reduces risk of bond failure.
- Ensures bond strengths typically in excess of 2.5N/mm^2 .
- Reduces suction from porous concrete - prevents rapid drying of applied material.
- Helps prevent air bubbling in pumpable screeds, maximising compressive strength.

SUBSTRATE PREPARATION

Substrates should be hard, sound and free from dirt, dust, oil, grease, paint, plaster, latence and other contaminants which could provide a barrier to adhesion.

Preparation of the substrates by mechanical means such as shotblasting or scabbling is recognised as the most effective way to provide a good key.

Where a substrate has been subject to chemical contamination advice as to any specific precautions should be sought from the Cemrok technical department.

APPLICATION

For repair to structural concrete.

A single coat of primer diluted in the ratio of one part primer to three parts water (by volume) should be scrubbed into the substrate at a coverage of 0.15 litres/m^2 .

The repair material can be applied "wet on wet" for maximum bond.

For weak or low strength substrates (less than 20 N/mm^2 compressive strength), or substrates with a high suction such as brickwork or blockwork, two coats of primer will be required, the first coat being allowed to completely dry before application of the second coat.

Cementitious Systems

Sub floor preparation, prior to screeding.

Cemrok Concrete Primer A should be diluted as follows:-

Sealing Coat (allow to dry)	1 part primer to 5 parts water (by volume)
Bonding Coat (dry overnight)	1 part primer to 2 parts water (by volume)

Particularly absorbent or porous surfaces may require a subsequent bonding coat to prevent air rising from the substrate and affecting the final finish.

The primer should be applied with a soft broom ensuring that all puddles and any ponding is brushed out prior to screeding. The primer should not be applied to substrates with a temperature of less than +6°C.

Coverage, (dependent upon porosity), approx. 0.3 litres per m².

TYPICAL PERFORMANCE

Specific Gravity:	1.03 Kg/litre.
pH:	8.0 to 9.0
MFT:	3%
Solids Content:	50%
Drying Time:	Overnight, under normal Conditions.

PACKAGING & STORAGE

Cemrok Concrete Primer A is available in 5, 10 and 25 litre screw top containers.

Cemrok Concrete Primer A should be stored unopened in dry conditions at 6 to 25°C. Protect from frost.

Shelf life is typically 12 months, unopened/airtight.

HEALTH & SAFETY

For health and safety data, see sheet reference 40/14A.

QUALITY CONTROL

Factory blended, tested and packaged in the UK for Adomast Ltd to quality control procedure in accordance with BS EN ISO 9001 Series.