

DATA Sheet



CEMPROTEC EF PRIMER

USES

To stabilise and seal cementitious and asphalt floors prior to the application of the **CEMPROTEC** range of cementitious coatings and mortars. It can overcome some inadequacies in surface preparation and helps minimise the risk of out-gassing from the substrate.

ADVANTAGES

SIMPLE:	Material is ready to use.
EASY TO USE:	Brush or roller applied in one coat.
ADHESION:	Further increases the adhesion of CEMPROTEC cementitious coatings and mortars.
BASIS:	Advanced styrene acrylic copolymer impregnant.
COST EFFECTIVE:	Economical surface impregnant.

PRODUCT DESCRIPTION

CEMPROTEC EF PRIMER is a modified, styrene acrylic copolymer impregnant with high penetration, which stabilises and seals cementitious and asphalt substrates. Further increases the adhesion of **CEMPROTEC** cementitious coatings and mortars and prevents rapid drying and out-gassing at the concrete interface on porous and inadequately saturated backgrounds.

TECHNICAL DATA

Colour:	Pale blue liquid.
Basis:	Modified styrene acrylic copolymer dispersion.
Specific Gravity:	1.02 at 20°C.

Application and Substrate Temperature

Minimum:	5°C.
Maximum:	35°C.

Overcoat Time

Minimum:	30 minutes.
Typical:	2 hours.
Maximum:	24 hours.

APPLICATION DATA

Application Guide available on request.

PREPARATION Concrete

New surfaces generally only require a minimum of 1 day cure prior to treatment. Surface laitance and curing membrane must be removed by blast cleaning techniques or acid etching. Flexcrete repair materials and polymer modified toppings may also be overcoated after 1 day.

Existing surfaces should be inspected thoroughly. The surface must be free from laitance, dust, oil, grease, rubber deposits, organic growths or other surface contamination. This can be achieved by using portable shot-blasting equipment (e.g. Blastrac) or other approved blasting techniques. Areas that are to receive a topping

should be prepared using a scabbling or planing machine to give sufficient surface texture. Any remaining oil and grease contamination must be removed with a proprietary degreasant, e.g. **FLEXCRETE DEGREASANT**. In some instances of heavy contamination, it may be necessary to use hot compressed air equipment, flame spalling or steam cleaning techniques prior to sealing the surface with **CEMPROTEC EPOXY PRIMER** as described on the individual Data Sheet. All previous repair materials, patches, etc, which are unsound should be removed and major cracks, voids, defects, etc., should be cleaned out prior to making good using an appropriate Flexcrete Repair Mortar. Final high pressure water jetting is recommended to remove any remaining debris. The prepared substrate should be thoroughly soaked (preferably 24 hours before) with clean water until uniformly saturated without any standing water.

Asphalt

Assuming that there are no defects, new asphalt may be treated after 72 hours, although ideally it should be left longer to allow any shrinkage to occur. Surfaces should be wiped with **FLEXIDECK CLEANING SOLVENT**, to remove any surface contamination, and allowed to dry prior to treatment.

Existing asphalt must be inspected for defects. Any areas, which have lost adhesion or blistered must be re-adhered or replaced. Any areas exhibiting sagging or slumping should be ironed out or replaced. Large cracks must be cleaned out and filled using a compatible material or heated and re-sealed. **DO NOT OVERHEAT**. If necessary, patch repairs should be carried out and allowed to cure prior to subsequent coating.

The surface should be prepared with a totally enclosed shot blasting technique or a surface planer / scaler to provide a good texture and to ensure that all surface contaminants are removed. Oil and grease contamination should be removed using powerful detergents in combination with high pressure water jetting. Areas of severe contamination should be cut out and filled with a Flexcrete Repair Mortar.

Clean down all surfaces using high pressure water (min. 2000 psi) to provide a clean, contamination free surface for treatment. Allow surfaces to dry before continuing.

PLACING

CEMPROTEC EF PRIMER should be poured onto the prepared surface and spread to the desired coverage rate given in the table below using a brush or roller. Allow the material to become a transparent blue colour before continuing, typically 1-3 hours. If the **CEMPROTEC EF PRIMER** is not overcoated within 24 hours it must be mechanically removed by blast cleaning or hand held power tools before re-application as above.

COVERAGE RATES

Concrete	
Porous	3m ² /litre.
Normal quality (20-30N/mm ²)	5m ² /litre.
Dense/power-floated	7m ² /litre.
CEMPROTEC LEVELLING COAT	10m ² /litre.

Asphalt 7m²/litre.

STORAGE

Store in dry, frost free conditions at moderate temperatures, not greater than 25°C.

CLEANING

All tools should be cleaned with water immediately after use.

SHELF LIFE

12 months with unopened containers under the above storage conditions.

PACKAGING AND COVERAGE

Pack size: 25 litres.
Coverage: On normal concrete surfaces, a 25litre pack will cover approximately 125m².

FURTHER INFORMATION

DO NOT ADD WATER OR OTHER MATERIALS TO THIS PRODUCT.

SAFETY DATA

Safety Data Sheet available on request.

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