



AKFIX PRIMER T80

1 – DESCRIPTION

Akfix Primer T80 is a two component, multifunctional, clear epoxy primer consisting epoxy resin and curing agent binder, giving the low viscosity characteristics necessary to wet the substrate, designing for sealing absorbent or porous substrates like concrete or wood. It is especially suitable as a base component in decorative floor finishes.

2– FEATURES

- Low viscosity for maximum penetration
- UV stable, can be used outdoor applications
- Easy application
- VOC free and low odor
- Excellent adhesion to common substrate materials
- Excellent bonding for polyurea, epoxy and polyurethane coating finishes
- Seals pores and capillaries

3– APPLICATION AREAS

- Primer coat for decorative resinous flooring systems
- Clear may be used as a primer coat over dyed or stained concrete
- General purpose primer for subsequent finish of coating products and flooring installation.
- Can be used either as a coating or filled with paint chips, marble chips and colored chips to provide color schemes or patterns.

4– USAGE

Surface Preparation: Surface must be dry, clean and free of all contamination such as dirt, oil, grease, and coatings etc. which hinder adhesion. Surface must be firm and have enough strength. If in doubt, apply a test area before beginning. The surface must have an appropriate surface profile and be well-cured (28 days at temperatures over 21°C). Shot blasting, mechanical scarification, chemical means or sandblasting should be used to prepare the substrate. Previously painted surfaces should be completely stripped of peeling or degraded paint. Wood surface must be clean and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent. All dust, loose and friable particles should be removed from the surface before application with brush and/or vacuum cleaner.

Mixing: Add Part B (hardener) into Part A, mix the components at low speed thoroughly for 3 to 5 minutes until a homogenous mixture has been achieved. Do not aerate the mix. Mix only enough material that can be used within the working life. After mixing, primer is ready for application.



TECHNICAL DATA SHEET

Akfix® coating

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Application: For a proper application, the ambient and surface temperature should be between 10°C to 35°C. The primer can be applied using a roller, squeegee or brush. Correct amount of primer will saturate the substrate and leave a slight continuous film on the substrate top surface. Apply evenly without puddling. The primer is applied in thin layers such that the total consumption is around 300 gr/m². Rough, porous, or absorbent surfaces will require additional primer and will reduce yield. Coating materials can be applied as soon as the primer has become tack free. Since the weather conditions are very tight, the recoat time cannot be determined precisely: low temperatures cause the prolongation of the drying time, the high temperatures accelerate the drying time.

5- PACKAGING

Available in 15 kg set (2 component kit)

6- SHELF LIFE AND STORAGE

Twelve months when stored in dry conditions at temperatures between +5°C and +30°C in original, unopened and undamaged sealed packaging. The product should not be stored exposed to direct sunlight.

7- SAFETY

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

8- IMPORTANT

- To avoid dew point conditions during application, relative humidity must be no more than 90% and substrate temperature must be at least 5°F (3°C) above measured dew point temperature.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1,5 N/mm² tensile strength.
- Applications below 10 °C and above 35 °C should be avoided.
- Be careful about product mixing ratio. Do not thin with solvents.
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface.
- Any repairs required to achieve a level surface must be performed prior to application
- The surface should be protected from moisture and rain for 4-6 hours after application.
- All application tools and equipments should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.



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9 – TECHNICAL FEATURES

Basis	: Epoxy
Consistency	: Liquid
Mix Ratio (by weight)	: 2:1 (resin:hardener)
Density (A+B)	: 1,07 gr/cm ³
Mixed viscosity (A+B)	: 600-800 cP
Open time (pot life)	: 45 min. (23°C 50 % R.H.)
Tack free time	: 4 hours (23°C 50% R.H.)
Full cure time	: 7 days (23°C 50 % R.H.)
Recoat time	: 4 to 24 hour
Min. cure temperature	: +10 °C
Consumption (coverage rate)	: 0,3-0,5 kg/m ² (coverage will vary depending on porosity of floor)
Adhesion force (concrete)	: > 2 N/mm ²
Application temperature	: +10 °C and +35 °C

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.