

E25F

- Basic Resin System Construction Chemicals -



The Epoxy Laminating Resin System E25F is an unfilled, low-viscous 2-components combination of resin and hardener with middle working time (pot life).

Properties and field of application:

Highly fillable, good flowability
 Rest flexible, highly resistant
 Odorless, resistant to chemicals

Surface sealer / water barrier
 Basis for good levelling masses, polymer concrete

Frictional bonding of cracks and joints in screeds and concrete
 Repairing defects in mineral floors

Instructions for use:

Mix Ratio (by weight)	100 parts resin : 60 parts hardener
Mix Ratio (by volume)	100 parts resin : 65 parts hardener
Mixed Viscosity	low viscous
Working Time (pot life) 20°C	25 min (100g)
Working Time (pot life) 20°C	15 min (1 kg)
Demouldable after	24 h (reference value, depending on temperature)
Full Cure	7 d (20°C)
Working Temperature (optimal)	10 °C – 25 °C

Application as:	filler:	Mix ratio:
Surface sealer	-	Unfilled resin system
Levelling mass	Quartz filler	1 part filler : 1 part resin system
mortar	Quartz filler	10 parts filler : 1 part resin system
filler	thixotropic powder	2 parts filler : 1 part resin system
colouring	Colour pigments	As required

Safety Instructions:

The safety instructions are to be taken from the respective containers. Do not allow children to handle. Prevent inhalation of fumes and contact with bare skin. Wear suitable protective gloves and safety goggles. Do not eat, drink or smoke when using. During the hardening process, energy can be released in the form of heat, hence ensure sufficient heat dissipation in order to prevent hot spots. Only mix the components in the recommended proportions in accordance with the instructions.

Application Instructions:

We recommend to perform preliminary tests to check the suitability for the particular type of application. The system should only be used in the mentioned temperature conditions. The relative air humidity should not be above 70%. The surface to be treated must be clean and dust-free. In respect of the safety instructions the epoxy resin and hardener should be mixed in a suitable mixing vessel in accordance with characteristics given in the data sheet. Deviating from the mixing recommendations can lead to incomplete hardening and through that to a loss of performance. Ensure that the edges are well mixed using a stirring stick or a propeller type mixer. Localized signs of smear formation indicate insufficient stirring and mixing of the components. Mixing of larger amounts (more than 100g) at higher temperatures (higher than 20°C) reduces the pot life time. Mixtures which rise above 40°C. in the mixing vessel should not be used any further since curing leads to property losses. Temperature increases can be reduced by pouring the mixture onto the surface.

Application as primer or impregnation:

Spread the mixture evenly with a paint roller or a brush onto the surface to obtain a closed layer.

If following layers are applied on a time delayed basis (>24 h), quartz sand must be spreaded into the fresh primer (< 1mm) for an improved adhesion. Avoid excess sanding.

To achieve an impregnation effect, solvent-based thinner XB is added to the mixed system at the recommended mixing ratio. Solvents are flammable! Safety instructions are to be taken from the containers.

Application as coating:

Apply or pour the system within 24 hours after priming.

Stir filler and color pigments into the ready-mixed system according to the desired consistency. If necessary smooth with a suitable device. If necessary, the remaining sticky surface is sprinkled with the filler used in excess to achieve non-slip surfaces. When the system has hardened, sweep or vacuum off the remaining filler from the surface.

Cleaning of work tools:

Unhardened product remains can be removed from tools by means of acetone. Tools should be given a good airing after being cleaned with this solvent, in order to prevent the solvent from being retained until the tool is used again.

Hardened remains can only be removed by mechanical means, e.g. by sanding.

Storage:

Remove screw cap from product residues. Do not exchange tops/lids. Store in a cool and dry place. With optimal storage conditions, shelf-life should be beyond 12 months.

Disposal:

Do not allow to enter drains, waterways or soil. Uncured product residues are hazardous waste. The cured system is construction site waste / household waste.

Further Information:

Further information can be obtained by selecting Product Info on our homepage. Please do not hesitate to contact us by telephone if you have further queries.

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us. We recommend tests be performed for trials and suitability for the particular type of application.

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