SOLIDKOTE UP EPOXY PRIMER

Universal Purpose High Build Clear Epoxy Primer

Solidkote UP Epoxy Primer is a two component, solvent free, high build, clear epoxy primer for concrete floors. Solidkote UP Epoxy Primer is applied to prepared floors seal and fill pores and create a bonding undercoat prior to further epoxy or polyurethane topcoat applications. It is designed for floor applications affording good chemical resistance and improved durability.

BENEFITS:

Easy to use.
Versatile.

Rapid curing.

Solvent free.

High bond strength.
Highly durable.

Chemical resistant.

Moisture tolerant.

Good low temperature cure.

TECHNICAL DETAILS	
Appearance	Clear amber resin
Mix Ratio	1 : 2
Mixing Tool	Mechanical drill
Coverage	Max 4 - 6 m² / L 60 - 70 m² / 15 L kit
Yield	15 L
Pot Life	15 minutes @ 20 °C
Tack Time	5 hours
Over Coat	6 - 24 hours
Full Cure	5 days
Hardness	80 Shore D
Tensile Strength	56 MPa
Bond Strength	> 1.5 MPa
Cleaning	Solidkote 505 Epoxy Thinners

APPLICATIONS:

Solidkote UP Epoxy Primer is used to prime concrete screed floors to enhance the strength and adhesion for subsequent topcoats.

All in one, industry standard, general and universal epoxy primer system for:

- Solidflow SL 1000 & Solidflow SL 2000 self-levelling epoxy screeds.
- Solidkote Robust HB (High Build).
- Solidkote 215 and Solidkote 216 coating systems.
- Solidkote UVC, polyurethane topcoat.

SUBSTRATE REQUIREMENTS

Concrete or screed substrates should be a minimum of 20 N / mm^2, free of laitance, dust and any other contamination. The substrate should be less than 5% moisture or dry to 75%. RH as per B58204 and free from rising damp.

Note: Any filling of blowholes/voids and surface levelling of substrate can be achieved using appropriate products within Technical Finishes Construction Range (please speak to one of our technical sales representatives).

PRECAUTIONS

- Do **not** use acid as preparation.
- Mixing with a mechanical mixing tool essential (a paint paddle is **not** suitable).
- Do not leave mixed material in the mixing vessel for longer than necessary, this will result in heat build-up and rapid reaction of components.

PREPARATION

Concrete floor surfaces need to be clean and dry before coating with Solidkote UP Epoxy Primer. Thorough cleaning is essential as oil, grease and other contaminants can result in coating failure and an unsightly finish. Diamond grind, shot blast or scarify the concrete to remove laitance and loose friable material. An open pore texture is essential to ensure good bonding.

MIXING

Add the complete contents of the activator to the resin (base) container in a 25 L bucket and mix mechanically for at least 3 minutes. Ensure the paddle scrapes the sides and the bottom of the bucket while mixing. The mix should not be kept in the mixing container as it will start to cure rapidly and become unstable.

PLACING

Pour the entire mix onto the floor and trowel or squeegee out to the required thickness. Then using a mohair roller, back-roll the primer to work the product into the concrete surface. The use of spike shoes is required. Allow to cure overnight and if necessary, lightly sand with 80 - 120 grit paper to remove any projections and to ensure a smooth finish. Vacuum the floor and wipe down with a damp cloth to remove all traces of dust on the surface before applying subsequent coats. Use a spike roller to assist with leveling and de-aeration if using the Solidkote UP Epoxy Primer on porous concrete. Broadcast a general scatter stone if required.

HEALTH AND SAFETY

Epoxy products are to be treated with care. In the event of skin contact, wash well with soap and warm water. Seek immediate medical assistance for eye contact. If sensitized towards epoxy products avoid all exposure. Wear suitable clothing, gloves and goggles during use.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. The finished system is not hazardous to health or the environment.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.