



Technical Datasheet
Epoxy Primer

PUMAPRIME S.F.

DESCRIPTION

Pumaprime S.F is a low viscosity solvent free epoxy primer used to seal and prime concrete and other substrates prior to the application of liquid resin systems. Pumaprime S.F is absorbed into the substrate sealing off surface defects which may cause bubbling on the final surface finish. Pumaprime S.F is compatible with and adheres to an extensive range of epoxy resin and polyurethane resin flooring systems.

COMPOSITION

Pumaprime S.F is a clear unfilled two pack epoxy resin of low viscosity.

BOND STRENGTH

Pumaprime S.F applied to a correctly prepared substrate exhibits bond strengths in excess of concrete and failure occurs within the concrete rather than the epoxy system on test.

THICKNESS

150 – 200µm

TYPICAL INSTALLATIONS

Pumaprime S.F is used as a primer with the following Pumaflor flooring systems:-

Pumafloor	Flow Applied Epoxy
Pumantistat 2000	Flow Applied Anti-Static
Pumaguard S.F.S	(Porous Substrates)
Pumatect	(Porous Substrates)
Pumadur 500	Flexible Polyurethane Coating
Pumadur 2000	Flow Applied Flexible Polyurethane
Pumadur	Heavy Duty Polyurethane Flooring

Pumaprime S.F may also be used to seal and reinforce porous concrete prior to the application of other resin based flooring products.

SUBSTRATES

Pumaprime S.F adheres to concrete, metal, wood and most flooring compositions.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from Resdev resin products the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

APPLICATION CONDITIONS

5-30°C Maximum moisture content of 75% RH.

MIXING

Pour the full contents of the hardener container into the full contents of the resin container and mix thoroughly with a slow speed electric stirrer for a minimum of 2 minutes.

APPLICATION TECHNIQUES

Apply by brush or roller, working the resin well into the surface. On porous surfaces apply further resin until the surface is completely wetted out. Push out the resin as thinly as possible, just leaving enough resin on the surface to give a wet appearance. Allow to cure hard before applications of the appropriate resin system. Do not allow longer than 48 hours between applications.

COVERAGE RATES

Rough porous concrete	-	175g/m ²
Average finish	-	125g/m ²
Smooth finish	-	100g/m ²

SPECIFICATION DETAIL

Apply Pumaprime S.F. to prepared surface at 125g/m², depended upon porosity of substrate, and allow to cure hard, maximum 48 hours.

CURE SCHEDULE

Pot Life @ 20° C	-	20-30 mins
Pot Life @ 10° C	-	45-60 mins
Hard Dry @ 20° C	-	15-20 hours
Hard Dry @ 10° C	-	16-24 hours
Full Cure at 20° C	-	5-7 days

CHEMICAL RESISTANCE

Please refer to technical data sheet reference TD112

TECHNICAL DATA

Bond strength to BS 6319 (Pumafloor)	-	40N/mm ²
Viscosity at 20°C (mixed)	-	5.0 poise

HEALTH AND SAFETY

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department.