Technical Datasheet
Epoxy Tack Coat

PUMAPRIME T.C.

DESCRIPTION
Pumaprime T.C. is a medium viscosity resin primer/tack coat used for bonding epoxy screed compositions. It has been specifically designed to be tacky to enable trowel applied resin screed to be applied wet on wet giving a truly monolithic screed. Pumaprime T.C. resin is absorbed into the resin screed as well as the substrate. Pumaprime T.C. is also used as an adhesive to bond new concrete to old and as an adhesive for polymer modified cementitious flooring. The chemical composition of Pumaprime T.C. permits the resin to cure when in contact with water.

COMPOSITION
Pumaprime T.C. is a clear unfilled two pack epoxy resin of medium viscosity.

BOND STRENGTH
Pumaprime T.C. applied to a correctly prepared substrate exhibits bond strengths in excess of concrete and failure occurs in the concrete rather than the epoxy systems on test.

THICKNESS
200-300 µm

TYPICAL INSTALLATIONS
EPumaprime T.C. should be used as a primer/tack coat with the
following Resdev systems.:-

Pumascreed SC	Epoxy Floor Screed
Pumacreed QTZ	Mottled
Pumacrete	Heavy Duty Epoxy
Pumacrete QZ	Heavy Duty Mottled Epoxy
Pumazzo	Marble Epoxy Terrazzo
Pumarend LW	Lightweight Epoxy Render

Pumaprime T.C. may also be used with Pumapol polymer modified systems and other compatible resin flooring systems.

SUBSTRATE
Pumaprime T.C. adheres to concrete, metal, wood and most flooring compositions.

SURFACE PREPARATION
To be assured of maximum adhesion and properties from Resdev products the correct surface preparation is essential. Please refer to technical data sheet “Surface Preparation”.

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

PRIMING
On porous concrete it is recommended that a first primer coat Pumacoat W.D. clear is applied prior to subsequent colour coats.

MIXING
Add full contents of hardener container to full contents of resin container and mix with a slow speed stirrer for at least 2 minutes.

APPLICATION TECHNIQUE
Apply by stiff brush, roller or trowel, working the resin well into the surface. Ensure that the full surface area to be bonded is fully wetted. If total absorption into the substrate occurs a further coaty may be needed. “Double priming” on weak and porous concrete may be needed if the Pumaprime T.C. is continually absorbed. Failure to “double prime” may result in entrapped air causing the screed to blow and bubble. Allow the first coat to be absorbed and cure overnight and apply a second coat prior to application of the screed. The appropriate screed is applied directly into the wet Pumaprime T.C within 45 minutes of application.

COVERAGE RATES

Rough porous concrete	-	250g/m²
Average finish	-	200g/m²
Smooth finish	-	180g/m²

SPECIFICATION DETAIL
Apply Pumaprime T.C. to prepared surface at 200g/m², apply screed whilst still wet.

CURE SCHEDULE

Pot Life @ 20° C	-	20-30 mins
Pot Life @ 10° C	-	45-60 mins
Hard Dry @ 20° C	-	8-10 hours
Hard Dry @ 10° C	-	15-20 hours
Full Cure @ 20° C	-	5-7 days

CHEMICAL RESISTANCE
Please refer to technical data sheet.

GRADES AVAILABLE
F.X., R.C., F.C. Please refer to technical data sheet.

TECHNICAL DATA

Bond Strength BS 6319 (Pumacrete)	-	40N/mm²
Compressive Strength	-	50N/mm²
Flexural Strength	-	45N/mm²
Viscosity at 20° C	-	9-12 Poise

HEALTH AND SAFETY
Please read technical data sheet 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 the quality of the finished produced. Please read technical data sheet.

TECHNICAL ADVICE
For further information on this or any other Resdev product, please contact 01422 379131

Pumaflor House, Ainleys Industrial Estate, Elland, West Yorkshire - HX5 9JP
Tel: (01422) 379131 - Fax: (01422) 370943 - Email: info@resdev.co.uk - www.resdev.co.uk