

DESCRIPTION Prime TC is a medium viscosity epoxy resin primer/tack coat used for bonding epoxy screed compositions. It has been specifically designed to be tacky to enable trowel applied resin screeds to be applied wet on wet giving a truly monolithic screed. The Prime TC resin is absorbed into the resin screed as well as the substrate. Prime TC 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 Prime TC permits the resin to cure in contact with water.

COMPOSITION

Primer TC is a clear unfilled two pack epoxy resin of medium viscosity.

BOND STRENGTH

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

THICKNESS

200 - 300 μ m

TYPICAL INSTALLATIONS

Prime TC should be used as a primer/tack coat.

Prime TC may be used with Q/Pol polymer modified systems and other compatible resin flooring systems.

SUBSTRATES

Prime TC adheres to concrete, metal, wood and most flooring compositions.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from Quattro resin products the correct surface preparation is essential.

APPLICATION CONDITIONS

5 - 30 DEG c

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 stiff brush, roller or trowel, working 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 coat may be needed if the Prime TC is continually absorbed. Failure to "double prime" may result in entrapped air causing the screed to blister and bubble. Allow the first coat to be absorbed and cure overnight and apply a second coat prior to the application of the screed. The appropriate screed is applied directly into the wet Prime TC within 45 minutes of application.

COVERAGE RATES

Rough porous concrete	-	250g / m ²
Average finish	-	200g / m ²
Smooth finish	-	180g / m ²

SPECIFICATION DETAIL

Apply Prime TC to prepared surface at 200g / m², apply screed whilst still wet.

CURE SCHEDULE

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

TECHNICAL DATA

Bond strength to BS6319 (crete)	-	40N/mm ²
Viscosity at 20 Deg C	-	9 - 12 poise

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced.

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