



Technical Datasheet  
Solvent Free Polyurethane Floor Coating

# PUMADUR T.F.

## DESCRIPTION

Pumadur T.F. is a solvent-free high-build coating based upon polyurethane technology which provides excellent resistances to abrasion, chemical attack and other physical aggression.

## COMPOSITION

Pumadur T.F. is a polyurethane resin system combined with abrasion resistant fine fillers.

## APPEARANCE

Pumadur T.F. provides a smooth matt surface finish in a range of colours. Also available in clear, but as a gloss finish only.

## DURABILITY

Excellent long-term wear resistance can be expected from a two-coat application.

## THICKNESS

Nominal 0.25mm, dependent upon application rate and number of coats.

## TYPICAL INSTALLATIONS

Pumadur T.F. is used in areas requiring good wear and chemical resistance combined with economical cost. It is suitable for chemical storage areas, warehousing, toilets, laboratories, food preparation areas. Also used as a finish coat for Pumadur H.P.S slip resistant system.

## SUBSTRATES

Pumadur T.F. adheres well to concrete, granite, metals and asphalt.

## 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

Pumadur T.F. is a medium viscosity resin which will apply and cure between 5 and 30°C. Maximum moisture content of 75% RH

## PRIMING

Pumadur T.F. does not normally require the use of a primer. When treating extremely weak or porous concrete it is advisable to prime with Pumadur primer.

## MIXING

Pumadur T.F. (coloured) is supplied as a three pack: the full contents of the hardener are to be added to the full contents of the resin container and mixed with a slow speed stirrer for one minute. Then add the full contents of the aggregate bag slowly and mix for a further 1-2 minutes until a lump free mix is obtained. Pumadur T.F. (clear) is supplied as a two pack: the full contents of the hardener is to be added to the full contents of the resin container and mixed with a slow speed stirrer for one minute.

## APPLICATION TECHNIQUE

Apply by medium nap roller directly from a paint tray. Push the resin well into the surface, making sure the floor is fully wetted, then pull back lightly with the roller to the required thickness. Use coverage rates as a guide to the thickness.

## COVERAGE RATES

1st coat	173g/m <sup>2</sup> approx.	0.130mm
2nd coat	150g/m <sup>2</sup> approx.	0.115mm
Pumadur H.P.S. system coating (one coat)		220g/m <sup>2</sup> approx.

## SPECIFICATION DETAIL

Two coats Pumadur T.F. at a nominal 0.25mm depending on coverage rate and number of coats. As part of the Pumadur H.P.S. system, apply over fully blinded resin surface observing coverage rates.

## MAINTENANCE

Pumadur T.F. treated floors can be readily cleaned using a proprietary cleaning solution.

## CURE SCHEDULE

	T.F. coloured	T.F. clear
Pot Life at 20° C	-15 mins	-30 mins
Initial film cure at 20° C	-60 mins	-8 hours
Overcoat period at 20° C	-16 hours	-16 hours
Light traffic at 20° C	-24 hours	-24 hours
Full cure at 20° C	-5 days	-5-7 days

## CHEMICAL RESISTANCE

Good resistance to a wide range of chemicals. Please refer to technical data sheet reference TD112.

## COLOURS AVAILABLE

All standard Resdev colours except white, blue, magnolia, safety red and Safety yellow.

## 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 the quality of the finish produced. Please read technical data sheet reference TD104.

## TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.