

Pumadur TF



Product Description:

Pumadur TF is a three-part, polyurethane coating designed as a surface finish and sealer for **Pumadur WR** and **Pumadur CG** covering mortar, or as a topcoat for **Pumadur HF/RT/SL** and **MD** floor toppings where refinishing is necessary.

Pumadur TF may also be applied to grouted **Pumadur SC** and directly to prepared concrete in areas adjacent to other **Pumadur** floor toppings to maintain a degree of consistency of finish. The product can also be used as a moisture tolerant primer in conjunction with **Pumadur HF/RT**.

Appearance:

Matt finish.

Thickness:

Approximately 300.0 microns from two coats.

Non-Tainting:

Pumadur TF is water based and non-tainting (Campden & Chorleywood Food Research Association test method TES-S-002).

Chemical Resistance:

Pumadur TF is resistant to a wide range of commonly used chemicals in the food, dairy and pharmaceutical industries such as concentrated citric acid (fruits), spirit vinegar (50% acetic acid), lactic acid (food & dairy products) and common alcohols (methanol & ethanol).

Pumadur TF is also resistant to a wide range of inorganic acids, fuels, hydraulic oils, mineral oils and solvents. Good housekeeping practices should be employed. Please consult our Technical Department for further advice.

Health & Safety:

Refer to product Safety Data Sheet before use.

Technical Advice:

For further information on this or any other Resdev product, please contact our office.

Surface Preparation:

Inadequate preparation will lead to loss of adhesion and failure. In coating systems there is a tendency for the finish to mirror imperfections in the substrate. Grinding, or light vacuum-contained shot-blasting is therefore preferred over planing for these systems. Percussive scabbing or acid etching is not recommended. Refer to the Resdev Guide to Surface Preparation for further information.



Application Conditions:

Optimum substrate temperature range is 15 - 25 °C. Localised heating (electric powered warm air blower) or cooling equipment may be required outside this range to achieve ideal temperature conditions. The filler can be stored in a cool area (or warm area in the case of low ambient temperature) in order to control product temperature and working life. The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface, from before priming, to at least 48 hours after application. The atmospheric relative humidity should be below 85%, and proper ventilation should be provided to aid the removal of water and maintain curing times.

Application:

Prior to mixing, the temperature of the three components must be between 15 and 25°C. Pre-mix the coloured resin component before use. Add the full contents of the filler bag slowly and mix for a further 1 - 2 minutes until a lump free mix is obtained using a low speed electric mixer. (300 - 400 rpm). When the filler is fully dispersed add the hardener component and mix until homogenous. This will ensure that the maximum working time is maintained.

Apply immediately using a medium nap roller direct from a paint tray or scuttle. Push the resin well into the surface, make sure it is fully wetted out then pull back to a tight coat with the roller. Inconsistent application thickness will result in an uneven finish and appearance. It is always preferable to apply two thin coats rather than one heavy coat. The cured product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used. Protect the installed floor from damp, condensation and water for at least 4 days.

Cleaning:

Regular cleaning is essential to enhance and maintain the life expectancy, slip resistance and appearance of the floor.

Pumadur TF



Pumadur TF can be easily cleaned using industry standard cleaning chemicals and techniques. Consult your cleaning chemical and equipment supplier for more information.

EU Directive 2004/42/EC:

Complies with category j type SB (< 500 g/l). The VOC content of Pumadur TF is approx. 24 g/l (theoretical).

Available Colours:

Please see price list for available colours.

Limitations:

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be, >85% or if the surface temperature is <3 °C above the dew point.

Application should not commence when the substrate temperature or the ambient temperature is or is anticipated to be <10 °C during the application or within the curing period. The design strength of concrete surfaces must be a minimum of 25 N/mm² compressive strength at 28 days.

The manufacture of Pumadur TF is a batch process and despite close manufacturing tolerances, colour variation may occur between batches. Products from different batches should not be used on the same surface or surfaces close together. If mixed batches are unavoidable, it is best practice to use the different batches only in areas where the colour cannot be directly compared.

Touching up should only be attempted using product from the same batch using the same application methods. Product should be reserved specially for this purpose. It is recommended that touching up is carried out up to a break in the floor or surface.

Pumadur systems are not colour fast and may yellow over time. The rate of change will depend on UV light and heat levels and cannot be predicted. This will be more pronounced on lighter colours but does not affect the performance of the product.

PRODUCT INFORMATION	
Chemical Type	Water Based Cementitious Polyurethane
Packaging	3.20kg Unit: Resin: 1.00kg Hardener: 0.80kg Filler: 1.40kg
	8.25kg Unit: Resin: 2.53kg Hardener: 2.11kg Filler: 3.61kg
Shelf life	Resin & Hardener: 12 Months Filler: 6 Months
Storage conditions	Pumadur TF must be stored off the ground in original packaging, unopened and undamaged. The ambient conditions must be dry and between 10°C and 30°C with no direct sunlight. Protect from frost.

APPLICATION INFORMATION	
Mixing Ratio	MIX FULL UNITS
Consumption	Approx. 0.2 kg per m ² per coat.
Environmental Conditions	Air Temp +15°C to 25°C Relative air humidity <85% Dew Point >3°C above
Substrate Temperature	+15°C to 25°C
Substrate Moisture Content	Substrate relative humidity (RH): <75% Concrete must have a tensile strength: >1.5 N/mm ²
Pot life (approx.)	+10°C 20 to 30 minutes +20°C 15 to 20 minutes +30°C 10 to 13 minutes
Curing Schedule 20°C	Light Pedestrian Traffic Above 12 hours Light Wheeled Traffic Above 24 hours Heavy Duty Traffic Above 48 hours Full Chemical Resistance 7 days
Service Conditions	Pumadur TF is cleanable up to 60°C, once fully cured.

TECHNICAL INFORMATION *	
Adhesive strength to concrete	BS EN 13892-8 >2.0 N/mm ²
FeRFA Floor Type	BS 8204-6 Type 3
Abrasion Resistance	BS EN 13892-4 AR 0.5
Impact Resistance	BS EN ISO 6272-1 10.0 Nm

*The typical physical properties given above are derived from testing in a controlled laboratory environment. In the field results may vary due to site conditions.

APPROVALS & STANDARDS

Synthetic Resin Screed material according to EN 13813:2002

Pumadur TF is a non-tainting product in accordance with test method TES-S-002 performed by Camden Food Research

Eurofins Indoor Air Quality GOLD certified

Note: The information contained in this document, and all further technical advice is given based on our present knowledge and experience. However it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application is beyond our control. Properties listed are for guidance purposed only. We reserve the right to make any changes according to technological progress or further developments.

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CE		13	DOP RV0002
EN 13813 SR-B2,0-AR0,5-IR10 Synthetic resin screed material for use internally in buildings not subject to reaction to fire regulations			
Reaction to fire:	NPD	Impact resistance:	IR10
Release of corrosive substances :	SR	Sound insulation:	NPD
Water permeability:	NPD	Sound absorption:	NPD
Wear resistance:	AR0,5	Thermal resistance:	NPD
Bond strength:	B2,0	Chemical resistance:	NPD