

Technical Datasheet
High Build Epoxy Floor Coating

PUMATECT

DESCRIPTION

Pumatect is a solvent free high build epoxy floor coating for concrete, grano or asphalt. It has excellent abrasion and chemical resistance and provides a heavy duty coating for floors which will withstand many years of general trolley or foot traffic, fork lift areas depending on useage will have a greatly reduced lifespan. The high build characteristics of Pumatect permit the application of coatings in excess of 0.25mm per coat. Two coats of Pumatect provide a build equivalent to almost 10 coats of conventional solvent containing coatings. On rough and uneven concrete Pumatect can give a smooth and easily cleanable surface.

APPEARANCE

Pumatect provides a smooth gloss surface finish in a range of colours or clear.

DURABILITY

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

THICKNESS

0.4mm to 1mm depending on application rate and number of coats.

TYPICAL INSTALLATIONS

Pumatect in areas requiring good wear and chemical resistance combined with economical cost. It is suitable for chemical plant storage areas, warehousing, toilets, food preparation areas etc.

SUBSTRATES

Pumatect adheres well to concrete, grano, metals and asphalts.

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".

APPLICATION CONDITIONS

Pumatect is a fairly thick resin and although it will apply and cure at low temperatures, an ambient in excess of 10°C is preferable.

PRIMING

Pumatect does not normally require a primer. When treating extremely weak or porous concrete it is advisable to prime with Pumaprime S.F.

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

COVERAGE (NOMINAL 0.5mm)

1st coat -approx. 375g/m²
2nd coat -approx. 250g/m²

COVERAGE (NOMINAL 1mm)

1st coat -approx. 375g/m²
2nd coat -approx. 875g/m²

SPECIFICATION DETAIL

Two coats Pumatect at a nominal 0.4-1mm depending on requirement.

MAINTENANCE

Pumatect treated floors can be readily cleaned using a propriety cleaning solution.

CURE SCHEDULE

Pot life @ 20°C -30-45 minutes
Dry film time @ 20°C -8-10 hours
Intercoat period -8-24 hours
Foot traffic -16-24 hours
Full cure -7 days

CHEMICAL RESISTANCE

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

ANTI-SLIP

To produce an anti-slip profile sprinkle or fully cast into the first coat whilst wet, the aggregate of your choice. When cured usually overnight (dependance on temperature) sweep off the unadhered aggregate and apply a further coat thus encapsulating the aggregate. Coverage rates will vary depending on the size & the amount of aggregate used.

TECHNICAL DATA

Compressive strength -40N/mm²
Flexural strength -28N/mm²
Lap shear bond strength -15N/mm²
Elastic modulus -3.9kN/mm²
Ease of decontamination to BS 4247 : part 1 test A "Good"
Abrasion Resistance < 0.02mm
(C&C Abrasion test as per BS 8204)
Impact Resistance < 0.5mm (BRE Screed test)

HEALTH AND SAFETY

Please read 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.

TECHNICAL ADVICE

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