



Technical Datasheet
Epoxy Floor Screed

PUMASCREED

DESCRIPTION

Pumascreed is a conventional highly filled epoxy resin quartz aggregate screed mortar for application to industrial floors which are subject to heavy traffic and light chemical attack. Pumascreed cures rapidly to give a medium duty floor finish with excellent abrasion resistance.

COMPOSITION

Coloured solvent free epoxy and graded quartz aggregate mortar.

APPEARANCE

Pumascreed unsealed has a mottled effect with a base background colour providing a slightly textured surface.

DURABILITY

Pumascreed exhibits the highest order of abrasion resistance.

THICKNESS

Nominal 4-6mm. Thicknesses greater than 6mm should be infilled with Pumascreed and a final 6mm applied to provide a smooth well compacted finish.

TYPICAL INSTALLATIONS

Pumascreed is used as a floor finish and repair mortar in areas where heavy continual wear is prevalent such as engineering workshops, warehouses, trucking lanes, test houses, etc. It should not be used where steam cleaning is required or in areas of high chemical spillage. Please refer to data on Pumadur H.F. for heavy duty and chemical resistance combined.

SUBSTRATES

Pumascreed adheres well to concrete and grano.

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

10-30° C

PRIMING

Use Pumaprime T.C, Pumaprime SF, Pumaprime DPM.

MIXING

Pumascreed is a three pack product. Mix the hardener component well into the resin for a period of 1 minute until even coloured. Transfer the mixed resin into a rotary drum mixer add the aggregate slowly until evenly wetted.

APPLICATION TECHNIQUE

Pumascreed should be applied directly into uncured wet Pumaprime T.C. The mortar is spread to an even thickness and the surface closed using a steel float.

SEALING

Pumascreed requires sealing especially when used in wet conditions to provide a non-porous surface. Pumagrout is a thixotropic seal coat which is applied to the cured Pumascreed mortar to totally grout and seal the surface, this must be then subsequently overcoated with the appropriate finish coat. A choice of sealcoats from the Resdev range can then be applied as the final finish.

SPECIFICATION DETAIL

1. Pumaprime T.C. 200-300g/m² depending on porosity.
2. Pumascreed 2kg/m² per 1mm thickness.
3. Pumagrout 250g/m²
4. **Top coat – see individual data sheets**

MAINTENANCE

Pumascreed can be maintained in its original condition providing contamination is not allowed to build up and the floor is regularly scrubbed using proprietary cleaners.

CURE SCHEDULE

Usable Life at 20° C	-	30-45 mins
Initial set at 20°	-	8-10 hours
Full cure at 20°	-	7 days
Foot traffic at 20°	-	12 hours
Heavy traffic at 20°	-	2 days

CHEMICAL RESISTANCE

Pumascreed shows good chemical resistance but should not be used as a chemically resistant heavy duty finish as the screed is porous and if the seal coats become damaged chemical attack can occur. For heavy duty chemical resistance use Pumadur H.F.

COLOURS AVAILABLE

All standard Resdev colours except white, beige and magnolia.

TECHNICAL DATA

Compressive strength	-	35-43N/mm ²
Tensile strength	-	9-10N/mm ²
Flexural strength	-	25-30N/mm ²
Slant shear bond strength	-	35N/mm ²
Surface spread of flame to BS 476 Part 7	-	Class 2

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 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.