

Technical Data Sheet

Puur PSR

Cementitious overlay flooring system

Product Description

Very low emission fibre-reinforced cement screed designed to create a polished concrete seamless floor finish for interior areas at thickness from 3-20mm (optimum 6mm). Substrate preparation to include sand or grinding, polished and sealed in satin or gloss. Available in natural white or pigmented colours.

Puur PSR is a high strength cement based product and in common with all such products can form fine cracks to the surface during curing. Such cracking is purely aesthetic feature and does not detract from the floors performance. As with traditional concrete the final finish will vary in shade and across the surface. This variance is the decorative feature of the floor, the precise nature of which cannot be guaranteed, as is dependent on site conditions, ie temperature, humidity and application.

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Flexural strength (after 28 days)	>75 N/mm ²
Setting time	2-4 hours
Compressive strength	>25 N/mm ²
Slip resistance dry	R12
Slip resistance wet	R11

- Pack size 25kg dry.
- Foot traffic in 5 hours (vulnerable to strain until sealed).
- Protein free formulation.

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Detailed Specification

- Finish: polished and sealed satin or gloss.
- Substrate preparation: on screed; by the use of vacuum assisted diamond-grinding equipment where appropriate.
- Substrate preparation: on timber; by the use of vacuum assisted sanding equipment where appropriate.
- P5 moisture resistant T&G or marine ply.
- Other situations in accordance with Puur floors instructions.
- Natural white or pigmented browns, putty's, greys and colours.

Substrate Requirements

Concrete must be structurally sound fully cured, ideally minimum 28 days old, flat, smooth, clean and dry, with adequate damp proof membrane installed. The design strength of the concrete should be minimum 25-30 N/mm², flexural/tensile strength 1.2 N/mm², with moisture content at the time of installation not greater than 5%. Any holes, cracks, defects, to be repaired via approved methods.

Timber substrate normally two layers, each of 18mm tongue and groove approved moisture resistant chipboard or marine plywood installed in cross fashion for strength and rigidity with tight closed fully glued joints, foxed and counter sunk at 150mm center along line of joints and additional areas where required, with a suitable expansion provision around the perimeter of timber floor to wall. The installed timber surface is to be prepared by sanding to remove any impurities and impregnated with puur specialist primer.

Compatible with wet or electric under floor heating, embedded in screed.

Floor to dry/cure for minimum 24 hours for light foot traffic, careful mechanical loading after 48 hours, full chemical cure at 7 days, based on ambient temperature of 20°C.