

REETOP PU007 RT

Heavy Duty Rake And Trowel Applied Polyurethane Screed



DESCRIPTION

Reetop PU007 RT is a heavy-duty 3 component Hygenic polyurethane based floor designed to provide excellent resistance to abrasion, chemical attack and other physical aggression.

COMPOSITION

Water dispersed polyurethane resin system with graded silica aggregates.

APPEARANCE

A level mottled aggregate surface with chosen colour providing a slip resistant texture.

DURABILITY

Highest order of durability, resistances to abrasion impact and chemical attack, stable to steam cleaning when applied at 9mm.

THICKNESS

Typical 6mm or 9mm. 9mm Application will be required in order to be stable to steam cleaning

PACK SIZE

| | | |
|-------------|---|-----------|
| Pack Size | - | 30.30-Kgs |
| Component A | - | 2.9-Kgs |
| Component B | - | 2.4-Kgs |
| Aggregate | - | 25.00-Kgs |

TYPICAL INSTALLATIONS

Chemical processing, Food processing, Brewing Heavy duty traffic and plant vehicles, Engineering process areas

SUBSTRATES

Concrete, polymer reinforced screeds, grano concrete.

CURE SCHEDULE

| | |
|--|-------------|
| Usable Life of full unit/mix at 20°C | 15 mins |
| Initial film gel time (joining up) at 20°C/9mm build | 20 mins |
| Cure time to light traffic at 20°C/9mm | 4-6 hours |
| Cure time to light wheeled traffic at 20°C/9mm | 12-16 hours |
| Cure time to heavy duty traffic at 20°C/9mm | 3-5 days |

TECHNICAL DATA

| | |
|---|------------------|
| Compressive strength to BS6319 Part 2 (N/mm) | 59.0 |
| Abrasion resistance by Taber mg loss/1000 cycles/1 kg load with H18 wheel | 1100 |
| TRRL slip resistance | 60 Wet 80 Dry |
| Surface spread of flame to BS 476 part 7 | Class 2 |

Virtus Resins

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SURFACE PREPARATION

To be assured of maximum adhesion and properties from Reepol resin products the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD112 in order to ensure the finished system remains fully bonded to the subfloor, it is recommended that the edges of the floor area adjoining the walls are rebated to produce a cross-section of 20mm deep by 8mm wide, running at 150mm from and parallel with the walls.

APPLICATION CONDITIONS

10-30°C Maximum moisture content of substrate 5%. However Reetop PU007 RT can be installed on recently installed concrete that has achieved its compressive strength requirements and is a minimum of 7 days old (assuming the presence of an effective DPM). In this instance thorough mechanical preparation will be required and then Reetop PU007 RT can be installed direct to the substrate without the need for specialist primers.

PRIMING

Priming of all surfaces should be undertaken with Reepol EP550. Please refer to technical data sheet. The primer should be allowed to cure for a minimum of 16 hours prior to application of the Reetop PU007 RT system. (Maximum overcoating time at 20°C – 48 hours).

MIXING INSTRUCTIONS

IT IS IMPERATIVE THAT THE FIRST STAGE OF MIXING IS CARRIED OUT IN THE RESIN CONTAINER.

Pre-mixing of the coloured liquid component A is recommended to ensure any light settlement is reincorporated. Add the brown liquid component B to the colour liquid resin component A and mix for a minimum of 1 minute to provide a homogeneous mix. The resultant resin blend should then be loaded into a rotary drum mixer e.g. Cretangle, Pennine or Danes or any other reputable forced action mixer. The aggregate component C can then be added in stages, mixing until a lump free smooth mix is obtained. Apply to pre-primed areas and level with a pin rake as necessary, and lightly touch up with a steel float.

COVERAGE RATES

18 Kg/m² @ 9mm or 12 Kg/m² @ 6mm

Coverage is given as a guide only as the exact coverage will vary on different substrates. No allowances are given for substrate imperfections or wastage.

SPECIFICATION DETAIL

Reepol EP550 at approx. 250g/m². Please refer to technical data sheet Reepol EP550. Reetop PU007 RT @ 6mm to 9mm

MAINTENANCE

Regular cleaning of the applied system is recommended in order to maintain slip resistant properties and cosmetics. Normal proprietary cleaning agents in combination with pressure washing/steam cleaning may be employed.

CHEMICAL RESISTANCE

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic.

COLOURS AVAILABLE

| | |
|------------|-------------|
| Light Grey | Light Green |
| Mid Grey | Grass Green |
| Dark Grey | Black |
| Red | Beige |
| Safety Red | Buff |

Because of the heavily filled system, colour will only show as a background shade. Slight colour change may occur on prolonged exposure, especially on some light shades.

HEALTH & SAFETY

It is recommended that barrier creams, gloves and protective clothing are used when using Reetop PU007 RT. If eyes are affected wash with copious amounts of water and seek medical advice. For hands - wash with soap and water. For full details refer to C.H.I.P. data sheet.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finished product. Please refer to our Information Data sheet reference TD300.

TECHNICAL ADVICE

For further information on this or any other Virtus product, please contact our Technical Department.

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