

Technical Information Sheet Article No. 9922

Remmers Crete HF

Heavy duty polyurethane screed to provide excellent resistance to abrasion, chemical attack and other physical aggression.

Typical Installations

Heavy duty situations including;

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

Characteristic data of the product

| | |
|-------------------------------------|------------------------|
| Compressive strength: | 59.0 N/mm ² |
| Taber mg loss/1000 cycles/1kg load: | 900 |
| TRRL slip resistance (typical): | 60 Wet 80 Dry |
| Cure Times @ 20° C: | |
| Usable Life of full mix: | 15 mins |
| Initial film gel time: | 20 mins |
| Cure time to light traffic: | 4-6 hours |
| Cure time to light wheeled traffic: | 12-16 hours |
| Cure time to heavy duty traffic: | 24 hours |
| Full cure: | 5 days |

Composition

Water dispersed polyurethane resin system combined with graded silica aggregates.

Appearance

A level mottled aggregate surface with chosen background colour providing a light slip resistant texture. Not colour stable.

Durability

Highest order of durability, resistance to abrasion impact and chemical attack. Stable to steam cleaning at a thickness of 9mm.

Thickness

Typical 9mm or 6mm

Substrates

Concrete, polymer reinforced screeds, grano concrete.

Surface Preparation

To be assured of maximum adhesion and properties from Remmers resin products the correct surface preparation is essential. Use suitable mechanical preparation to leave a clean, profiled surface free of any contaminants. In order to ensure the finished system remains fully bonded to the sub-floor, 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

5 – 30°C. Maximum moisture content of substrate 5% as measured by Tramex CME.

Priming

Priming of all surfaces should be undertaken with either Epoxy ST 100 (0.3-0.4 kg/m²) broadcast with quartz aggregate at 1kg/m² or Remmers Crete TF at 0.15kg/m². This primer should be allowed to cure for a minimum of 12 hours prior to application of the Remmers Crete HF system. (Maximum over coating time at 20° C – 48 hours).

Mixing

Pre-mixing of the coloured liquid resin component is recommended to ensure any light settlement is reincorporated. Thoroughly scrape the contents of the resin component into the hardener component and mix for a minimum of 1 minute or provide a homogeneous mix. The resultant mixture should then be placed into a rotary drum mixer and the aggregate component 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 finish with a steel float.

A light back rolling technique using a PU roller can be used to improve the finish although take care to avoid over rolling which would cause the profile to change and draw too much of the binder to the surface.

Coverage Rates

18kg/m² at 9mm or 12kg/m² at 6mm. (2kg/m²/mm)

Maintenance

Regular cleaning of the applied system is recommended in order to maintain slip resistance properties and cosmetics. Normal Remmers 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 solvents. Please refer to Remmers technical department for advice.

Colours Available

All standard Remmers colours.

Storage, Mixing & Application

The storage, mixing and application conditions can affect the quality of the finished product.

Technical Advice

For further information on this or other Remmers products, please contact our Customer Care Team on 0845 373 0103.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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