

SpEC^{top} MF

HEAVY DUTY POLYURETHANE FLOORING

DESCRIPTION

SpECtop MF is a three component polyurethane self smoothing topping available in a range of matt colours.

TYPICAL USES

SpECtop MF is use to provide a heavy duty, hard wearing floor finish with exceptional chemical resistance. Typical areas for use are wet and dry process areas where the the floor is subjected to heavy traffic, impact and chemical attack.

ADVANTAGES

- Impact resistant
- Seamless and hygienic finish
- Excellent chemical resistance
- Easy to clean and sterilise, low maintenance requirement
- Matt finish
- High abrasion resistance
- Low odour during installation

TECHNICAL DATA

Typical results at 20 °C

Pot Life	15 mins
Initial film gel time	20 mins
Light traffic	4-6 hrs
Light wheeled traffic	16 hours
Full traffic	48 hrs
Fully Cured	3-5 days
Compressive strength (BS 6319 Part 2)	62N/mm ²
Tensile strength (BS 2782:320D)	15N/mm ²
Flexural strength (ASTM D790-84a)	35N/mm ²
Elastic Modulus (BS 2782:320D)	1530N/mm ²
Slant shear bond strength (BS 6319)	55N/mm ²

Abrasion resistance by Taber

**mg loss/1000 cycles/1kg
load with H18 wheel** 900

**Surface spread of flame
(BS 476 Part 7)** Class2

COLOURS

All standard colours except white and magnolia.

SpECtop MF is not colour stable and may discolour on ageing; this is more noticeable in light colours. This will not impair its chemical resistance.

CHEMICAL RESISTANCE

ACIDS

Citric 10%	Excellent
Acetic 10%	Excellent
Lactic 5%	Excellent
Sulphuric 20%	Excellent
Hydrochloric 20%	Excellent
Nitric 20%	Excellent
Phosphoric 20%	Excellent

ALKALI

Sodium Hydroxide 70%	Excellent
Ammonia 10%	Excellent

SOLVENTS

Engine Oil	Excellent
Hydraulic Oil	Excellent
Petrol	Excellent
Diesel	Excellent
Kerosene	Excellent
Butanol	Excellent
Acetone	Limited
Solvents (Xylene, Toluene)	Excellent

Preparation

It is essential that adequate preparation is carried out prior to the application of **SpECtop MF**.

Grit blasting is recommended to ensure the removal of all laitance, grease and oil. The resultant surface should be dry and dust free. Cracked and damaged areas must be made good with appropriate repair materials.

Priming

Either apply **SpECTop Primer FX** or apply a scratchcoat of **SpECTop MF** and allow to cure. **SpECTop MF** must be applied within 24 hours.

Mixing

SpECTop MF is a three component product. Premixing of the coloured liquid resin component is recommended to ensure any light settlement is reincorporated. Thoroughly drain the contents of the brown hardener component into the liquid coloured component and mix for a minimum of 1 minute or until a homogeneous mix is obtained. The resultant resin blend should then be loaded into a rotary drum mixer and the aggregate component added in stages, mixing until a lump-free, smooth mix is obtained.

Application

Apply to pre-primed areas levelling to the required thickness with a steel trowel and aided by a spiked roller. Spiked rolling should be carried out within 3 minutes of application in order to avoid interfering with the film gel time.

EQUIPMENT CLEANING

Clean with **SpECTop PU Cleaning Fluid** before the product has cured.

APPLICATION TEMPERATURE RANGE

Minimum 10°C

Maximum 30°C

PACKAGING & YIELD

SpECTop MF is supplied in 25.85kg units with a coverage rate of 7.60kg/m² at 4mm, 9.50kg/m² at 5mm and 11.40kg/m² at 6mm.

STORAGE & SHELF LIFE

Stored unopened in dry conditions at 10 - 25°C, shelf life will be 12 months minimum.

HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets available from **SpEC** on request and sent with each delivery.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

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If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

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