



SpECtop MF

MEDIUM DUTY FLOW APPLIED POLYURETHANE TOPPING

DESCRIPTION

SpECtop MF is a three component polyurethane self smoothing topping available in a range of matt colours. This can be applied at 3-6mm thickness range.

TYPICAL USES

SpECtop MF is used to provide a medium duty, hard wearing floor finish with exceptional chemical resistance. Typical areas for use are wet and dry process areas where 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
Fully Cured	3-5 days
Compressive strength (BS EN 13892-2)	50±2N/mm ²
Tensile strength (ASTM C307)	>5.0N/mm ²
Flexural strength (BS EN 13892-2)	>10N/mm ²
Abrasion resistance (ASTM D4060): Loss/1000 cycles/1kg - CS17 wheel	0.12 g
Temperature resistance @3mm	-20°C to 90°C
@6mm	-25°C to 100°C

COLOURS

All standard colours.

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

CHEMICAL RESISTANCE

ACIDS

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

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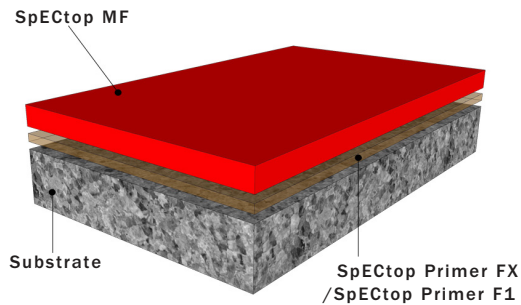
Sodium Hydroxide 70%	Excellent
Ammonia 10%	Excellent

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

Priming is recommended for **SpECTop MF**. Use **SpECTop MF Base** and **Hardener** at 7-10m²/L rate for sealing the surface. Alternatively, **SpECTop Primer F1** or **FX** can be used. Broadcast **MF filler** immediately after Primer application, if mechanical key is required for the screed. Apply **SpECTop MF** within 24 hours of the application of Primer.

Mixing

Mixing and application of **SpECTop MF** is a specialised work, and should always be carried out by trained personnel. Stir the base component well, and pour into a mixing pail. Start mixing and slowly charge the filler. continue for 2 minutes. Pour the hardener component into the mix, and mix for another 2-3 minutes.

Application

Apply to pre-primed area, levelling to the required thickness with a steel trowel and aided by a spiked roller.



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 12 litre units with a coverage rate of 6 litre/m² at 6mm thickness.

STORAGE & SHELF LIFE

If 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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