

# S-CRETE MF AS

A SELF - SMOOTHENING ANTI-STATIC POLYURETHANE TOPPING

## DESCRIPTION

**S-CRETE MF AS** is a 3 components, self - smoothing polyurethane topping with thickness of 3mm that offers antistatic, antimicrobial properties and heavy duty chemical resistance.

## USES

**S-CRETE MF AS** is suitable for use in areas where a durable, cleanable floor surface is required without the attended risks of static build up. As an ideal flooring for electronics and semi conductor plants, ammunition plants, military arsenals, powder explosion risk areas and electronic assembly.

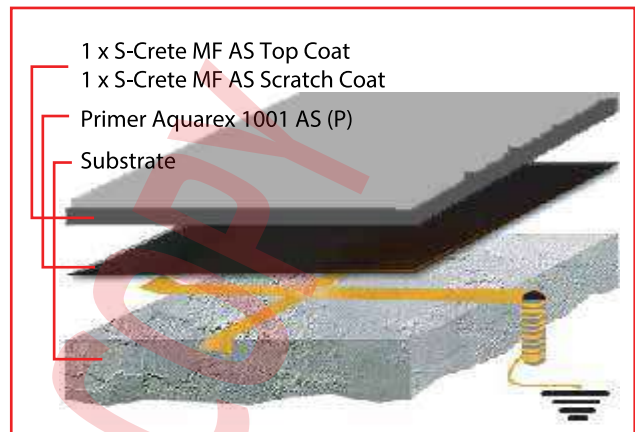
## BENEFITS

- Eliminates electrostatic discharge from personnel vehicles and equipment.
- Meets British Standard BS 2050
- Resists bacterial growth; fungi, mould and mildew.
- Meets Japanese Standard JISZ 2801:2000, 5.2
- High -density systems with maximum wear, abrasion and impact resistance.
- High temperature resistance up to 60°C.
- User-friendly, no solvent odour during installation.
- One of the fastest "turn a round time" polymer modified product which reduces cost.
- Easily clean and maintain for a smooth surface.

## COLOR

Available in six standard colors:  
Red, Green, Cream, Light Grey, Dark Grey and Brown Beige.

\* Light yellowing of the resin may occur if exposed to Ultra-Violet light but without affecting its functionality.



## Technical Data:

No. of Components	3
Estimated Coverage	5.7kg/m <sup>2</sup> /3mm
Mixing Ratio	3 : 3 : 10 by weight of Part A, B, C
Density,kg/mm/m <sup>2</sup>	1.9
Compressive Strength	50N/mm <sup>2</sup>
Tensile strength	7N/mm <sup>2</sup>
Flexural strength	21N/mm <sup>2</sup>
Dynamic elastic modulus	14500 N/mm <sup>2</sup>
Thermal conductivity	0.9W/m°C
Taber abrasion resistance	0.1 gms / 1000 gms loading 1000 rpm
Co efficient of thermal expansion,°C	3.5X10 <sup>-5</sup> C
Impact resistance	< 0.5 (BRE Screed tester) mm
Temperature resistance	60°C
Resistance to Earth	5 x 10 <sup>4</sup> to 10 <sup>6</sup> ohms
Pot life	18 min.at 30°C
Storage & Shelf Life	unopened in dry conditions between 10°C - 32°C / 1year
Packaging	16kg

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

## WEBSITE

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**MIXING**

Add Part A, to a clean mixing drum. Add Part B, to the drum and mix for 30 seconds until uniform using a helical spinner and then add in Part C pigmented powder for mixing for 1 minute to achieve a fully homogenized consistent mortar. Scrap out residue of previous mix from the sides of the drum and discard before the next pack.

**APPLICATION**

Spread the composite matrix to the thickness of 3mm and consolidate with pin rake or notched squeegee set to the correct depth. Immediately release any trapped air by spike rolling.

**TEMPERATURE**

S-CRETE MF AS should not be applied on material or floor temperatures below 10°C. Temperatures should not fall below 5°C in the 24 hours after application.

**SUBSTRATE MOVEMENT**

All moving joints must be carried through the S-CRETE MF AS and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the S-CRETE MF AS will reflect the cracks.

**MAINTENANCE**

Regular cleaning and maintenance will prolong the life of all resin floors, enhance the appearance and reduce the tendency to retain dirt.

**CURING**

	25°C	35°C
Foot traffic. hr	10	8
Light traffic. hr	24	18
Full traffic. hr	48	24
Full cure. days	7	5

**CHEMICAL RESISTANCE**

S-CRETE MF AS will resist spillages of:

- > Dilute and concentrated acids: hydrochloric, nitric, phosphoric and sulphuric.
- > Dilute and concentrated alkalis, including sodium hydroxide to 50% concentration.
- > Most dilute and concentrated organic acids.
- > Fats, oil and sugar.
- > Mineral oils, kerosene, gasoline and brake fluids.
- > Most organic solvents.

Resistance is maintained in many cases to 60°C, which should be regarded as the maximum service temperature. Detailed test data available on request.

**CLEANING**

Clean all tools with washing thinner or other solvents prior to material taking a hardset. Small unreacted Part B in container is to be decontaminated with a 5% solution of washing soda (sodium carbonate) prior to disposal. After material has set it is virtually impossible to get off and will only wear off over time.

**HEALTH & SAFETY**

Some of the components of this product may be hazardous during mixing and application. Always use with suitable protective gears. Close container tightly after use. Keep out of reach of children. For further information, refer to the product Material Safety Data Sheet, available upon request.

**FURTHER INFORMATION**

With a wealth of technical and practical experience built up over the years in our pursuit of excellence especially in the protective, flooring and concrete technology, make CEMKRETE your partner today. Contact our hotline now.

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