



New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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03/2023 Issue 6 – REF: SLAS

PRODUCT DESCRIPTION

FasTop™ SL ESD is a static-dissipative polyurethane/cement based flow-applied flooring system applied at nominal 3 mm thickness.

ADVANTAGES

- Static dissipative seamless finish
- High chemical resistance
- Resistant to hot water
- Self smoothing
- Hard wearing
- Matt finish

RECOMMENDED USE

A wide range of industrial applications such as:

- Pharmaceutical and chemical plants
- Electrical industrial areas
- Food manufacturing areas
- Chemical plants
- Oil and gas facilities
- Industrial workshops

PRODUCT DATA

Volume Solids: ~100%

VOC: 14 g/l

Colours: Black, Blue, Buff, Dark Grey, Mid Grey, Light Grey, Green, Marigold, Red

Finish: Matt

Flash Point: N/A

Cleanser/Thinner: Do not thin.
RS Polysolvent for cleaning only.

Pack Size: 16 kg

Pack Weights: 2.68 kg base, 2.22 kg hardener, 9.50 kg aggregate,
1.67 kg conductive aggregate

Mixing Ratio: As above packing weights

Mixed Density: ~2.00 g/cm³

Shelf Life: 36 months (base & conductive aggregate),
12 months (hardener) & 6 months (aggregate)

Storage: Keep out of direct sunlight. Store in a dry place, between
5°C- 30°C.
Aggregates must be stored in a dry area to prevent
contamination by moisture, as this will have a detrimental
effect on the product.

Recommended Application Methods: Trowel and spiked roller.

Typical properties at 20°C:

Cure times

Recoating Intervals: N/A

Light Traffic: 12 to 16 hours

Full Traffic: 48 hours

Full Chemical Cure: 5 to 7 days

Pot Life: 15 minutes from mixing

Pot life refers to the usable working life of the material following mixing and immediate application. If product is left in the container after mixing and not used, hazardous fumes may be released due to an exothermic reaction.

Typical Consumption (Theoretical): 6 kg/m²

Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.

SURFACE PREPARATION

Ensure surfaces to be coated are clean, dry and free from all surface contamination such as oil, grease and dirt to achieve satisfactory adhesion. Anchorage grooves should be cut around the perimeter of the sub-floor and at terminations e.g. doorways, around drains and at joints, to a width and depth of approximately twice the thickness of the floor up to a maximum of 10 mm.

Concrete and polymer modified sand/cement screeds should be primed using Resuprime™ ESD. REFER TO DATA SHEET FOR FURTHER INFORMATION. For application onto other substrates, refer to Sherwin-Williams.



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APPLICATION CONDITIONS

The recommended application temperatures of the areas should be kept between 15 - 30°C throughout the application and the curing period, otherwise this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C. The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation forming.

Applied coating should be protected from moisture during application and during the curing period. Exposure to moisture during this time can cause surface and colour variations.

PRIMING AND COPPER TAPE GRID

Open and porous substrates should be primed with one or two coats of primer to ensure a sealed surface. Resuprime™ ST may be used as primer on dry substrates with less than 75% ERH reading. Where the Relative Humidity of a substrate exceeds 75% ERH Resuprime™ MVT or Dampexox may be used. Once the primer is applied, copper tape strips are laid to form a grid system where the grids are no larger than 2m x 2m. The copper tape should be left exposed in areas to allow them to be earthed properly. Onto this a coat of Resuprime™ ESD is applied to provide a fully conductive layer under the FasTop™ SL ESD. It is important to ensure that the cured primer meets any electrical resistance requirements before applying the FasTop™ SL ESD. Please contact Sherwin-Williams for a specification. For further information please refer to recommended individual product data sheets.

MIXING AND APPLICATION

Prior to mixing, the temperature of the four components must be between 15 and 25°C. Pre-mix the coloured base component before use. Add the FasTop™ SL ESD base to the mixing vessel then add the hardener component and mix using a low speed electric mixer (300 to 400 rpm) for approximately 30 seconds until homogeneous. Add the powder aggregate whilst mixing followed by the conductive aggregate, mixing for approximately 3 minutes until homogeneous scraping the sides of the mixing vessel until a uniform, lump-free mix is obtained.

Application:

Refer to product system guide for further information.

TECHNICAL INFORMATION

The following figures are obtained from laboratory tests and our experience with this product.

Category Guide: FeRFA Type 5

Compressive Strength: 47.9 MPa
(BS EN ISO 604:2003)

Flexural Strength: 14.4 N/mm²
(ISO 178:2010)

Tensile Strength: 8.1 MPa
(BS EN ISO 527-2:2012)

Abrasion Resistance: AR 0.5 (Less than 50 microns wear)
(BS EN 13892-4:2004)

Bond Strength: 3 N/mm² (Substrate failure)
(BS EN 13892-8:2002)

Impact Resistance: Class II
(BS EN 1504-2:2004)

Temperature Resistance: Tolerant of temperatures up to 80°C at 3 mm

Electrical Resistance: <10⁹ Ω
(BS EN 61340-4-1:2004+A1:2015)

Reaction to Fire: Bfl-s1
(EN 13501-1:2018)



FASTOP™ SL ESD

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WARRANTY

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

HEALTH AND SAFETY

Consult Safety Datasheet for information on safe storage and handling of this product.

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Registered in England Reg. No. 2968830 Reg. Office: Station Lane, Witney, Oxfordshire, United Kingdom, OX28 4XR.



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BS EN 13813 SR B3.0-AR0.5-IR>4

Resin coating/screed for use inside buildings as per data sheet

Wear resistance	AR 0.5
Bond strength	B 3.0
Impact resistance	IR > 4