

CHEMRITE COATINGS – SSR 300

Tough, chemical resistant, slip resistant

Product Description

CHEMRITE® SSR 300 is a slip resistant, chemical resistant, industrial screed system based on advanced solventless epoxy compounds and selected graded aggregates. It is a high solids, high build, epoxy-based screed which provides excellent chemical and abrasion resistance. The colour, build and degree of slip resistance can be varied to suit requirements.

Features

CHEMRITE® SSR 300 is a 4-part screed system comprised of:

1. CHEMRITE® FP Epoxy – A solvent free coloured epoxy compound base.
2. CHEMRITE® Graded Aggregate – A graded aggregate filler used with the FP Epoxy.
3. SSR 300 selected aggregate - A medium/coarse aggregate used to create slip resistance.
4. CHEMRITE® FP Epoxy – A solvent free coloured epoxy used as a final coat.

CHEMRITE® SSR 300 is a system that can be applied by notched trowel or squeegee. The final coat should be applied by roller to attain good slip resistance. However, the level of slip resistance can be varied by changing the nap of the roller or using a squeegee.

Some other features:

- Solution and colour stable
- Food grade
- Very low shrinkage
- Good through-cure
- Bonds well to most smooth and rough surfaces
- Many colours available
- Low VOC's
- Easy to apply



Typical applications

- Safety slip resistant flooring
- Wastewater treatment plants
- Chemical Loading areas
- Washdown areas
- Workshops
- Butchers
- Cold rooms
- Commercial kitchens
- Abattoirs

Technical

	CHEMRITE® SSR 300
Work time (@25°C , 55% RH)	30 minutes
Cure Time (@25°C , 55% RH)	16 hours
Full Cure	7 Days
Chemical resistance (acids, chlorides, petrochemicals, etc.)	Excellent (discolouration may occur)
UV resistance	Moderate
VOC	Low
Tensile Strength	19 MPa
Abrasion resistance	Excellent
Shelf life	24 Months
Colours	AS2700

Resistance to chemical spillage

- Ammonia solution (40%)
- Sulphuric Acid (98%)
- Hydrochloric Acid (33%)
- Caustic (25%)
- Chlorides
- Sea water
- Fuel
- Oils
- Food emulsion

Preparation**Concrete Preparation**

Concrete should be cleaned free from grease and oil. When clean, remove all surface laitance or loose particles by grit blasting, grinding or scabbling.

It is strongly recommended to apply a primer coat. CHEMRITE® Primer 81 is recommended for sound, clean dry surfaces. Where moisture is present, a moisture compatible primer such as CHEMRITE® Moisture Seal will be required. CHEMRITE® Moisture Seal will also promote adhesion on damp floors or those with minor hydrostatic problems.

Mix Preparation

Add all of CHEMRITE® FP Epoxy Part B to the Part A container. Ensure that the Part B container is emptied by using a trowel to scrape all material from the container corners. Mix the compound at a very slow speed of about 350 rpm, or by hand. (Hand mixing will take longer and must be thoroughly done).

Add CHEMRITE® graded epoxy aggregate and continue mixing. Mixing should continue until it is clear that the product has a constant consistency, and the aggregate is evenly distributed. As a guide, use 20 Kg of Epoxy Aggregate with 7 litres of CHEMRITE® FP Epoxy to yield 15 litres of SSR epoxy screed. Consistency of the screed can be adjusted by varying the amount of epoxy aggregate added, depending on specific needs. The screed will ultimately be bulked with the addition of SSR 300 selected aggregate.

Application

The now mixed CHEMRITE® SSR 300 screed should be applied directly to the prepared and primed surface. The mixed compound must be applied to a minimum thickness of 1.5 mm. The surface may be spike rolled to remove entrapped air. Whilst the compound is still wet, broadcast the SSR 300 aggregate directly onto the surface to excess. The following day, remove the unbound aggregate by brush or vacuum.

Apply CHEMRITE® FP Epoxy to the rough surface. Roller application will provide a high degree of slip resistance. The shorter the nap, the more slip resistance will be achieved. A squeegee application will greatly lessen the slip resistance but will make cleaning easier.

Cleaning

All tools and spillages can be cleaned before the curing process has started using the Epoxy cleaner (A011).

Packaging

CHEMRITE® SSR 300 is packaged as follows:

- a. CHEMRITE® FP Epoxy – 1 x 15 litre kit
- b. CHEMRITE® Epoxy Aggregate – 2 x 20 Kg. bag
- c. SSR 300 Graded aggregate – 1 x 20 Kg. bag
- d. CHEMRITE® FP Epoxy – 1 x 3 litre kit

Safety Precautions

Whenever applying an epoxy resin, protective clothing must be worn. At a minimum, suitable rubber gloves and protective eyewear must be worn.

This epoxy is classified as hazardous and it is recommended that you refer to the Material Safety Data Sheet (MSDS).

Product Disclaimer

This Technical Data Sheet (TDS) summarises to the best of our knowledge the product and how to use and apply the product based on the information available to us at the time. It is recommended that you read this TDS and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. If you are uncertain about any content herein, it is strongly recommended that you contact one of our technical experts for advice. Our responsibility for products sold is subject to the CHEMRITE Technologies standard terms and conditions of sale. We do not accept any liability for any losses suffered for damages of any nature whatsoever resulting from the use of or reliance upon information or the product to which information refers.

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