

Resiset

Epoxide Pigmented Screed

Description

Resiset is a high performance, solvent free epoxide screed for application to concrete steps and rises where properties of high strength and abrasion/chemical resistance are required. Suitable for applications within engineering, chemical plants, plating shops, laboratories, loading bays in breweries/dairies etc. and many other various locations.

Colours Available

Light Grey, Mid Grey, Slate Grey, Tile Red, Blue, British Racing Green, Mushroom, Corn, Magnolia.

Advantages

- Excellent general chemical resistance.
- Hard wearing, abrasion resistant, durable topping.
- Jointless screed eliminates potential sources of failure.
- Good gripping surface for traffic.
- Suitable for all pedestrian traffic.

Technical Information

Compressive strength	50 MPa
Adhesion bond strength to concrete	>2.0 MPa, Substrate failure
Application Temperature	5°C to 35°C
Pot life	50 Minutes
Initial Hardness	6-18 Hours
Full Cure	7 Days @ 20°C
Coverage Rate	2.1 M ² /20 kg @ 5mm thick

Note: All testing performed under lab conditions, 20°C.

Chemical Resistance

Acids	
Hydrochloric Acid (conc.)	Fair
Nitric Acid, 25%	Good
Sulphuric Acid, 50%	Good
Lactic Acid, 10%	Good
Acetic Acid, 10%	Fair
Citric Acid, 20%	Good
Alkalines	
Sodium Hydroxide, 50%	Good
Ammonia, 10%	Good
Hydrocarbon Solvents	
White Spirit	Good
Methylated Spirits	Good
Xylene	Good
Butanol	Good
Oils	
Lubricating Oil	Good
Petrol	Good
Skydrol	Good
Aqueous Solutions	
Sodium Hypochlorite (Bleach)	Good
Sugar Solution (saturated)	Good
Salt Solution (saturated)	Good
Ammonium Sulphate, 10%	Good



Surface Preparation

All surfaces should be clean, dry, free from oil, grease and chemical contamination. Oil and grease can be removed using Desolve. Concrete surfaces should be free from laitance which should be removed by grit blasting or scarifying.

It is recommended that concrete substrates should not have a moisture content of greater than 75% RH. This can be assessed using a hair hygrometer covered with polythene for 24 hours, as recommended by BS8203. Should the strength or surface stability be in doubt then it is recommended a trial patch of Resiset be applied to assess suitability.

Priming

Epicon tack coat V should be used. To mix, add the entire contents of the hardener tin to the contents of the base tin and thoroughly mix. Once mixed this should be brushed well into the prepared surface. The primed surface should be covered with Resiset between 15 minutes and three hours after the application of the primer tack coat and whilst the primer coat is still tacky.

Epicon Tack Coat V

Pot life	20 Minutes
Coverage	3-4 m ² /kg

Mixing

The Resiset base and hardener components should be thoroughly mixed in the base tin. In cold conditions it will greatly aid mixing if the materials are stored in warm conditions. Once the base and hardener are thoroughly mixed they should be transferred to a suitable forced action mechanical mixer such as a Creteangle or Daines and the aggregate added slowly. Once all the aggregate is added mix for a further 3-4 minutes till a homogeneous mix is obtained.

Application Instructions

Resiset is laid in strips and worked into previously laid sections and then allowed to harden. The mixed Resiset should be spread evenly over the primed surface and tamped to ensure complete consolidation, before being float finished. For ease and efficiency wipe the float with Nuwash regularly to keep the float clean. Resiset may be carried up step risers.

In wet areas where Resiset is subjected to aggressive chemical attack it is recommended that the surface be sealed with either Episeal or Conseal Urethane for added protection. All tools and equipment should be cleaned immediately after use with Nuwash.

Packaging

Resiset is available in 20kg units.

Epicon Tack Coat V is available in 0.25kg and 1.0kg units.

Storage

Resiset and Epicon Tack Coat V when stored in unopened containers under normal temperatures have a shelf life of 12 months. They should both be stored away from food stuffs and out the reach of children.

Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Limitations

Minimum application temperature is 5°C.

It is recommended that concrete substrates should not have a moisture content of more than 75% RH.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.

