

RESISET

Epoxide Pigmented Screed

Description

Resiset is a high performance, solvent free epoxide screed for application to concrete steps and risers where properties of high strength, abrasion and 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

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

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 N/mm ² cured at 20°C for 7 days
Bond Strength to Concrete:	Stronger than integral strength of concrete.
Pot Life:	60 mins at 15°C
Initial Hardness:	24 hours at 15°C
Full Cure:	7 days at 15°C
Coverage Rate:	2.1 M ² /20 kg at 5mm thick

Epicon Tack Coat 'V'

Pot Life:	20 mins @ 20°C
Coverage:	3-4 M ² /kg

Note: Where chemical resistance is required or where the screed is layed in areas which are frequently under water, the system should be sealed using Episeal.

Chemical Resistance

Performance of Resiset tested by immersion at 20°C against a range of aggressive chemicals. (Sealed)

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
Solvents	
White Spirit	Good
Methylated Spirit	Good
Xylene	Good
Butanol	Good
Oils	
Lubricating Oil	Good
Petrol	Good
Skydrol	Good
Aqueous Solutions	
Sodium Hypochlorite (Bleach)	Good
Sugar Solution (Saturated)	Good
Salt (Sodium Chloride Saturated)	Good
Ammonium Sulphate (10%)	Good

It should be noted that the ability of Resiset to resist attack is dependent on the temperature and concentration of the chemicals. If in doubt contact Nufins technical department.

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. If it is not practical to grit blast or scarify, it is possible to acid etch the floor with Chemclean. However, precautions must be made to prevent the concrete from absorbing excess moisture.

It is recommended that concrete substrates should not have a moisture content of more than 75% RH. This can be assessed using a hair hygrometer covered with polythene for 24 hours as recommended by BS 8203. Should the strength or the surface stability of the concrete base be in doubt, then we recommend a trial patch of Resiset be applied to assess its suitability.

Priming

Epicon Tack Coat 'V' should be used. Mix Epicon Tack Coat 'V' in the proportions supplied by adding 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 the Resiset between 15 minutes and 3 hours after the application of the primer tack coat and whilst the primer coat is still tacky.

Mixing

The Resiset base and hardener components should be thoroughly mixed in the base container. 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 thoroughly for 3 -4 minutes until a homogeneous mix is obtained.

Packaging

Resiset is available in 20 kg units.

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

Application Instructions

The 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, then finished with a float kept clean by wiping with a cloth dampened with Nuwash. Resiset may be carried up step risers.

In wet areas where Resiset is to be 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.

Storage

Resiset and Epicon Tack Coat 'V' should be stored at room temperature. If stored in cold conditions the containers should be warmed prior to use as this will greatly aid mixing and application.

Resiset and Epicon Tack Coat 'V' should be stored away from foodstuffs and out of the reach of children.

Health & Safety

Resiset and Epicon Tack Coat 'V', like similar products, are capable of irritating unprotected sensitive skin, we therefore recommend the use of a suitable barrier cream and the wearing of gloves and goggles.

Limitations

Minimum application temperature 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 representatives are available throughout the UK to provide further information and arrange demonstrations.



Kingston House, 3 Walton Road, Pattinson North, Washington, Tyne & Wear, NE38 8QA, United Kingdom.

TEL: +44 (0) 191 416 8360 FAX: +44 (0) 191 415 5966 W: www.nufins.com E: info@usluk.com

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