

TS816

Water Based Acrylic Topcoat

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Description

TS816 is a waterborne, acrylic eggshell decorative topcoat. It is primarily for use with Nullifire intumescent steel coatings.



Features and Benefits

- Single component
- Multi-purpose coating
- Low odour, low VOC content
- Available in a range of RAL colours.
- Tested with Nullifire Steel Coatings to ensure compatibility.

Usage Purpose

A single component water based acrylic topcoat providing a protective topcoat to the intumescent coating while also providing an outstanding aesthetic finish.

Packaging

5 litre and 20 litre tins.

Shelf Life

24 months when stored as recommended in original unopened container at 24°C.

Available Colour

Available in white, pastel and deep colours.

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Technical Characteristics

Application Temperature	Application Temperature	+5°C to +35°C, relative humidity <85% and a steel surface temperature at least 3°C above the dew point.
Average Drying Times (DFT & Temp)	50 microns DFT @ 20°C	To Touch – 3 hours To Recoat – 8 hours To Hard dry – 3 days These figures are given as guidance only. Other factors such as air movement, temperature and coating thickness must be considered.
Cleaning		Use clean potable water.
Environment / VOC		60 g/litre
Finish		Attractive washable eggshell/soft sheen finish
Shelf Life (Dry Room And Unopened)		24 months when stored as recommended in original unopened container at 24°C
Solids Content	Volume Solids	36% ±2
Storage		Store in secure, dry warehouse conditions between 5°C and +35°C
Thickness	Recommended thickness	DFT: 50 microns WFT: 138 microns Do not exceed 208 microns WFT in a single coat. The thickness's above are recommended for optimum film build and drying balance.

Application Conditions - Additional

Substrate temperature should be 3°C above the dew point.

Condensation due to substrate temperatures below the dew point can interfere with proper adhesion to the substrate.

Application and/or curing in humidity above maximum, or exposure to moisture from rain or condensation may result in a loss of gloss and/or damage to the topcoat.

Multiple coats may be required to obtain desired appearance, recommended dry film thickness or adequate hiding. Brush and roller application is recommended for small areas only. Avoid re-brushing or re-rolling.

Ensure that:

- The product specification is appropriate for your intended requirements.
- The intumescent is fully dried.
- The surface finish of the intumescent is suitable for overcoating.
- The correct dry film thickness (DFT) of intumescent has been applied before topcoating.
- The equipment is of correct specification.
- The site conditions and storage facilities are acceptable.
- You are fully conversant with the Usage Guidelines prior to use.

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Mixing

Power mix thoroughly, avoiding excessive air entrapment. TS816 can be thinned with up to 5% by volume with clean potable water if required.

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Consumption Text

7.1m² per litre at 50 microns DFT.

Substrate Preparation

Ensure the substrate to be coated is sound, dry, clean and free from dirt and grease.

To achieve this it may be necessary to abrade the surface and wash down with clean water and allow to dry before applying topcoat.

Coverage

Theoretical coverage: 7.1m² per litre at 50 microns DFT.

Tool Cleaning

Clean equipment with clean potable water.

Maintenance

A decorative finish is provided by TS816 and due to its purposely designed compatibility with Nullifire intumescent, it is recommended that any maintenance is conducted with TS816.

Recoating with other generic sealer types may show incompatibility and could affect fire performance.

For general redecoration the surface should be thoroughly cleaned with water. Damaged areas should be abraded back to a

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sound surface, preferably by wet abrasion.

The surface should then be clean and dry before applying any further TS816. Typically, as with conventional coatings, inspection for redecoration in internal locations is recommended every 3 years.

Specifications

An appropriate specification must be used for the protection of the full system in accordance with the environmental classification for the environment where the building is located. The environment during construction and transport should also be considered, if necessary, and the worst case used. Nullifire can assist with selecting an appropriate specification.

Health And Safety Precautions

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet. Safety data sheet must be read and understood before use.

Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

It is a requirement of the installer to ensure suitability and compatibility of all elements before installation commences and that compliance can be achieved as required.



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