

CI/SfB	(29)	Vv5	(K2)
CAW P10			
Uniclass JP10:L6811			

Product Information

Description

TS816 is a water-based acrylic eggshell / soft sheen decorative top seal. It is primarily for use with Nullifire intumescent basecoats on internal steelwork or in mild external environments.

Usage / Purpose

Versatile high performance finish with excellent corrosion resistance and exterior weathering properties, as well as suitability for interior and mild environments.

Finish

Attractive washable eggshell/soft sheen finish

Colour

White, pastel and deep colours

Packaging

Supplied in 5 litre or 20 litre tins

Availability

Only available from Nullifire or approved Nullifire distributors overseas (see contact details for more information).

Usage Guidelines

Surface Preparation & Priming

- Ensure the basecoat surface is sound, dry, clean and free from dirt and grease.
- If necessary rub down with wet and dry abrasive paper and then wash down with clean water and allow to dry before applying topseal.

Application Conditions

- This product simply requires the substrate temperature to be 3°C above the dew point.
- Condensation due to substrate temperatures below the dew point can cause flash rusting on prepared steel and interfere with proper adhesion to the substrate.
- Special application techniques may be required above or below normal application conditions.

Application Equipment

Airless spray equipment is recommended and should match these guidelines:

Operating Pressure: 2150 – 2350 psi

Tip Size: 17–19 thou

Hose: 9.5 mm diameter minimum

Mixing

Power mix until uniform in consistency. Avoid excessive air entrapment.

May be thinned up to 5% with clean potable water.

Use of thinners other than those supplied or recommended by tremco illbruck may adversely affect product performance.

Airless Spraying

TS816 top seal is generally applied as follows:

Internal use and external use:

No. of Coats: 1

WFT (mm): 138 – 208 µm

DFT (mm): 50 – 75 µm

Do not exceed 75 microns in a single coat.

Theoretical coverage is 7.1 m²/l@50 µm

Brush / Roller Application

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

Drying Times / Overcoating Times

Dry to Handle State	
Touch Dry	3 hours@20°C
Hard Dry	3 days@20°C
Overcoating	8 hours@20°C

Recoat Times

Theoretical coverage is typically around 7.1 m² per litre@50 micron DFT.

4.8 m² per litre@75 micron DFT.

Allow for loss in mixing and application.

Nullifire
Smart Protection

TS816

Acrylic Top Seal
Water Based



Key Benefits Summary

- Single component pack
- Multi-purpose interior/exterior coating
- Excellent corrosion protection
- Low odour, low VOC content
- Available in a RAL colour range
- Tested with Nullifire basecoats to ensure compatibility.

TS816

Acrylic Top Seal

Nullifire
Smart Protection

Technical Data

Property	Result
Composition	A one-part water based acrylic top seal
Volume Solids	36% \pm 2%
VOC	60 g/l as supplied
Coverage Rates	Theoretical Coverage: 7.1 m ² per litre at 50 μ m. 4.8 m ² per litre at 75 μ m. Whilst a single full coat is generally sufficient, certain colours may need an additional coat to give acceptable opacity.
Storage	Store in secure, dry warehouse conditions between 5°C and +35°C
Shelf life	24 months when stored as recommended in original unopened container at circa 24°C

Application Advice

Ensure that:

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

Cleaning

Use clean potable water. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Maintenance and Repair

- A decorative finish is provided by TS816 top seal and due to its purpose designed compatibility with other Nullifire basecoats, it is recommended that any maintenance is with the same product.
- Recoating with other generic sealer types may show incompatibility and could affect fire performance.
- For general redecoration the surface should be thoroughly washed with water. Damaged areas should be abraded back to a sound surface, preferably by wet abrasion.
- The surface should then be clean and dry before applying any further TS816 top seal. Typically, as with conventional coatings, inspection for redecoration is recommended every 3 – 5 years.

Specification

A tremco illbruck Representative will provide a specification for each project. tremco illbruck accepts no responsibility for defects arising from failure to follow the specification.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

tremco illbruck 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 illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, 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 illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.