

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

Product Information

Description

TS134 is a high-gloss, high-solid polyurethane top seal, which can be easily sprayed with airless as well as conventional equipment. This product has excellent flow and application properties which provides a smooth, durable and easy to clean surface. It is tested with a range of Nullifire intumescent basecoats and primers.

Usage/Purpose

Provides a top seal to protect the intumescent coating while also providing an outstanding aesthetic finish to the steelwork.

Finish

High gloss washable finish

Colour

Available in White & limited RAL colours.

Packaging

Supplied in 5 litre or 20 litre kits

Availability

Direct from Tremco CPG UK Limited (see details on this TDS). or approved distributors overseas (see contact details for more information)

Usage Guidelines

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.

Surface Preparation & Priming

- Ensure the basecoat surface is sound, dry, clean and free from dirt and grease.

Application Conditions

- Substrate temperatures should be 3°C above the dew point.
- This product is moisture sensitive in the liquid stage and until fully cured. Protect from high humidity, dew and direct moisture contact until fully

cured.

- Application and/or curing in humidity above maximum, or exposure to moisture from rain or dew may result in a loss of gloss and/or micro bubbling of the product.

Application Equipment

Airless spray equipment is recommended and should match these guidelines:

Operating Pressure: 2150 – 2350 psi

Tip Size: 15–17 thou depending on temperature.

Hose: 10 mm internal diameter minimum. Conventional spray mixers can also be used.

Mixing

Power mix separately, then combine both components and power mix again. DO NOT MIX PARTIAL KITS.

Spray: thin up to 15% with FC025.

Brush/Roller: thin up to 10% with FC215. Use only a Nullifire recommended product.

Airless Spraying

TS134 is generally applied as follows:

No. of Coats: 1

WFT: 115 µm

DFT: 75 µm. Do not exceed 150 µm in a single coat.

Whilst a single full coat is generally sufficient, certain colours may need an additional coat to give acceptable opacity.

Theoretical coverage is 8.6 m²/l @ 75 µm

Brush / Roller Application

Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding.

Avoid re-brushing or re-rolling. For best results, tie-in within 10 minutes at +24°C.

Drying / Overcoating Times

Drying Times	
Touch Dry	4 hours @ 20°C
Hard Dry	3 days @ 20°C
Overcoating	12 hours @ 20°C

Nullifire
Smart Protection

TS134

Acrylic Polyurethane Top Seal



Key Benefits Summary

- Excellent weatherability
- Excellent abrasion resistance
- Easy single coat application with outstanding coverage
- VOC compliant to current AIM regulations
- Attractive high gloss washable finish
- Available in a comprehensive colour range
- Tested with Nullifire basecoats & primers to ensure compatibility

TS134

Acrylic Polyurethane Top Seal

Nullifire
Smart Protection

Technical Data

Property	Result
Composition	Two-component aliphatic acrylic polyurethane
Volume Solids	65% ±2%
VOC	300 g/l as supplied
Mix Ratio	4:1 (A to B) by volume
Pot Life or Sprayable Life	4 hours at +24°C and less at higher temperatures. Pot Life ends when coating becomes too viscous to use. Moisture contamination will shorten Pot Life and cause gellation.
Coverage Rates	Theoretical Coverage: 8.6 m ² per litre at 75 µm. 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 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 topsealing.
- 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

Clean equipment with FC002 Thinner supplied by Nullifire.

Maintenance and Repair

- A decorative finish is provided by TS134 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 cleaned 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 TS134. Typically, as with conventional coatings, inspection for redecoration in internal locations is recommended every 3- 5 years.

Specification

A Tremco CPG Representative will provide a specification for each project. Tremco CPG UK Limited 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. Flammable- keep away from open flames and other ignition sources.

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.