

Nullifire TS815SAC - High Build Topseal

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1. PRODUCT DESCRIPTION

TS815SAC Topseal is a single pack, high build modified acrylic topseal conforming to 2010 VOC limits. This product is designed for use with the Nullifire System S range of intumescent basecoats.

It can be used either internally, within a building by the application of a single coat, or externally using two coats with the appropriate intumescent basecoat.

It is available in a range of BS4800 and RAL colours.

2. APPLICATION CHECK LIST

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 number of coats of topseal required in accordance with the specification (one or two coats).
- The topseal is fully mixed prior to its application.
- The number of coats has been determined to suit the specified colour.
- The spray equipment is suitable for the correct application of the topseal.
- The site conditions are within the specified limits for application of the topseal.
- The topseal is stored within the specified conditions.
- You are fully conversant with the application instructions prior to applying the topseal.

3. SURFACE PREPARATION

Only apply TS815SAC Topseal onto a fully dried System S Basecoat; normally this will be 3-5 days after basecoat application. Dependant upon site conditions, heavy basecoat loadings may require longer drying periods prior to the application of TS615 Topseal. The surface of the dried basecoat must be clean, free from condensation, grease or other contamination.

4. SITE CONDITIONS DURING APPLICATION

The ambient temperature must remain above 0°C throughout the period of application. If TS815SAC Topseal is to be applied when the relative humidity exceeds 80%, extra care must be taken to ensure that the surface remains free from condensation and that its temperature is at least 2°C above dew point.

5. PRODUCT COVERAGE RATE

The TS815SAC Topseal is generally applied as follows:

	No. of Coats	WFT(mm)	DFT (mm)
Internal	1	0.100	0.050
External	2	0.200	0.100

However, certain conditions may necessitate further coats of TS815SAC Topseal such as:

- Application of low opacity colours.
- Humid service conditions.
- Requirement for higher gloss level.

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6. APPLICATION METHODS

Slowly stir the TS815SAC Topseal prior to application. Always reseal the container when not in use.

Application by Brush

Apply with a well loaded brush being careful not to overbrush as this may cause brush marking. Application may be facilitated by thinning up to 5% with White Spirit.

Application by Roller

It is recommended that a short mohair roller be used. Synthetic rollers should not be used.

Application by Airless Spray

The product is supplied ready for use and should not be thinned. At temperatures below 15°C it may assist spraying if the topseal is warmed before use. Alternatively a larger tip or higher pressure may help atomisation. However, if thinning is required, up to 5% of by volume of White Spirit to BS245 or equivalent may be added. When spraying at temperatures above 15°C the following equipment is suggested:

Tip Size	15-19 thou (0.38 – 0.48mm)
Pressure:	2500psi(176kg/cm ² /172bar) - 3000psi (211kg/cm ² /207bar)
Hose:	8mm diameter minimum
Fan Angle:	40-50°

Clean equipment after use with White Spirit to BS245 or equivalent.

7. THICKNESS CHECK DURING APPLICATION

To ensure the correct thickness is applied in a uniform manner, a wet film gauge should be used. The recommended wet film thickness should be 0.13mm per coat.

To use, insert the gauge teeth into the wet coating. The last tooth to be coated indicates the wet film thickness achieved. A number of readings should be taken to obtain an average thickness.

8. TOPSEAL DRYING TIME

TS815SAC Topseal can normally be overcoated after 8 hours assuming good air movement and a minimum temperature of 10°C. For lower temperatures, overnight drying (16 hours) is recommended prior to overcoating.

9. MAINTENANCE

As TS815SAC Topseal is designed to be fully compatible with System S Basecoats, it is recommended that any future redecoration be carried out with additional TS815SAC Topseal.

Overcoating with other products may affect the fire performance.

For general redecoration the surface should be thoroughly cleaned to remove any dirt or contamination.

Damaged areas should be abraded back to a sound surface. Before applying a new coat of TS815SAC Topseal the surface should be clean and dry.

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If the basecoat is damaged it should be reinstated in accordance with Nullifire's repair procedure. If in doubt, contact the Nullifire Technical Hotline for assistance.

10. TECHNICAL DATA

Specific Gravity:	1.00 to 1.20 g/cm ³	Volume Solids:	Approx 50%
Coverage Rate:	Approx 10m ² /litre	Flash Point:	40°C

11. STORAGE

TS815SAC Topseal must be stored in sealed containers at temperatures between 0°C and 35°C.

12. TO ORDER

In the U.K., TS815SAC Topseal can be ordered directly from Nullifire, Coventry on +44 (0) 24 7685 5000.

In other countries, TS815SAC Topseal can be purchased through a network of Distributors, details of which can be obtained from Nullifire or from our Web site on <http://www.nullifire.com>.

TS815SAC Topseal is supplied in 5 or 20 litre tins (depending on colour).

13. TECHNICAL ASSISTANCE

Further assistance can be obtained by calling the Nullifire Technical Hotline on +44 (0)2476 855000 or by e-mail to protect@nullifire.com.

Contract Support is available on request.

Nullifire also run a training school in the U.K. for applicators. Full information can be obtained from Nullifire Ltd on the above telephone no.