

Nullifire TS816WAC - High Build Topseal

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1. PRODUCT DESCRIPTION

TS816WAC is a waterborne, acrylic eggshell decorative topseal. It is primarily for use with Nullifire Intumescent Basecoats on internal steelwork.

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 equipment is of correct specification.
- The site conditions and storage facilities are acceptable.
- You are fully conversant with the Application Instructions prior to use.

3. SURFACE PREPARATION

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.

4. SITE CONDITIONS DURING APPLICATION

TS816WAC should be applied when the air and steel temperatures are above 5°C and below 25°C. The relative humidity should be below 80% with a level below 65% being ideal for drying.

The product is touch dry within 2 - 4 hours and hard dry at 4 hours after application if relative humidity is below 65%. Where the humidity is high and/or the temperature is low, the drying times will be extended.

5. PRODUCT COVERAGE RATE

The TS816WAC Topseal is generally applied as follows:

	No. of Coats	Loading ml/m ²	WFT(mm)	DFT (mm)
Internal	1	125	0.125	0.050

Coverage is typically over 7.4m² per litre. Whilst a single full coat is generally sufficient, certain colours may need an additional coat to give acceptable opacity.

6. APPLICATION

Stir only if necessary and reseal container when not in use. Do not thin the product.

Spray: 13 – 15 thou (0.33-0.38m)

Pressure: 2000 psi (138 bar/141kg/cm²) – 2200psi (152bar/155kg/cm²)

Fan Angle: 40°

These recommendations presume ambient temperatures above 15°C. Below this temperature it is likely that increasing tip size and/or pressure will be required to satisfactorily atomise the product as a result of increased viscosity. Brush and roller application is only recommended for small, non-decorative areas particularly when strong or dark colours are used.

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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 0.125mm 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. CLEANING OF EQUIPMENT

Clean spray equipment with clean water after use.

9. MAINTENANCE

A decorative finish is provided by TS816WAC Topseal and due to its purpose designed compatibility with the System S Basecoat, 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 TS816WAC Topseal. Typically, as with conventional coatings, inspection for redecoration is recommended every 3 - 5 years.

10. TECHNICAL DATA

Specific Gravity:	1.1 to 1.3 g/cm ³	Finish:	Eggshell
Coverage Rate:	Approx 7.4m ² /litre/coat	Flash Point:	Not applicable
Volume Solids:	Approx 40%	Lead Content:	No added lead

11. STORAGE

TS816WAC Topseal must be stored in sealed containers at temperatures between 5°C and 40°C. Shelf life is 2 years if unopened.
