



# **RENITHERM<sup>®</sup> Top D**

## **Waterborne Top Coat**

### **General**

Renitherm<sup>®</sup> Top D is a waterborne topseal for the Renitherm<sup>®</sup> fire protection system.

### **Technical Data**

Specific gravity:	1.35 g / cm <sup>3</sup> at +20°C
Colours	Standard Colours RAL 7032, 7035, 9002, 9010 Other colours on request
Viscosity:	4000-6000 mPas
Flash point	n/a
Theoretical coverage:	approx. 150 g / m <sup>2</sup> at 60 µm DFT
Application:	brushing, rolling, spraying

### **Application Instructions**

Renitherm<sup>®</sup> Top D is supplied ready for use and must not be thinned but should be thoroughly mechanically stirred prior to use.

Make sure that Renitherm<sup>®</sup> base coat is completely dry before applying topseal.

Renitherm<sup>®</sup> Top D should only be applied when the air and steel temperatures are above 5°C. Relative humidity should be below 80% for successful application. Steel surface temperature should be a minimum of 2°C above the dew point.

The application quantity is about 150 g/m<sup>2</sup> in a single spray coat comprising of several passes. For intensive colours an increased application quantity of about 200 g/m<sup>2</sup> is needed to achieve a uniform coverage due to the lead- and chromate-free pigments.

Waist during application is not considered in the a. m. quantities. If material is diluted, the application quantity should be increased accordingly. If necessary, Renitherm<sup>®</sup> Top D should be diluted with max. 5% water.

Spray application: Airless tip size 0,011" – 0,013"

Equipment and tools should be cleaned thoroughly with water after each use and before longer breaks.

### **Drying time**

Drying of Renitherm<sup>®</sup> Top D is depending upon a number of factors like

- ❖ Temperature
- ❖ Air Movement
- ❖ Humidity
- ❖ Method of Application
- ❖ Thickness of coating

High humidity and low air movement or low steel temperatures can result in condensation on the steelwork causing prolonged drying times and possibly poor adhesion.

At 20 °C and 60% rel. humidity  
Touch dry: after about 30 minutes  
overcoatable: after about 6 hours

### Storage

Renitherm<sup>®</sup> Top D should be stored internally between +5 °C and +30 °C. Do not store below +5 °C. At temperatures above 25 °C the shelf life will be reduced. Shelf life normally is 12 months in originally sealed containers.

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