

# RW451

## ALPHAGUARD BIO TOP COAT

### KEY BENEFITS SUMMARY

- Bio Content
  - High bio content makes product sustainable and environmentally friendly
- Reflective Top Coat
  - Lower surface temperature
  - Potential Energy Savings
- Catalysed Cure
  - Results in faster cure times than similar one-component products
- High Solids
  - 100% solids
- Low VOC
  - Low odour
- Chemical Resistant
  - Resistant to a wide variety of harmful chemicals
- UV Stable

### PRODUCT INFORMATION

#### Description

RW451 is a two-part, bio-based, polyurethane UV-stable top coat.

#### Usage / Purpose

RW451 is used as a UV stable top coat for AlphaGuard BIO waterproofing systems.

#### Packaging

Part A - 17.91kg

Part B - 3.39kg

#### Colour

Blue Grey (RAL 7031)

#### Availability

Direct from Tremco CPG UK Limited (see bottom of leaflet for address and telephone details).

#### 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

- The AlphaGuard BIO Base Coat to be sealed must be dry, clean and free from dust and grease.

#### Mixing

- Use a heavy duty power drill with Jiffy Mixer attachment. Cordless drills are not recommended and may not properly mix the materials.
- Mix Part A for 2 minute before adding Part B.
- After adding Part B mix the combined materials for a minimum of 2 minutes moving the mix blade from top to bottom.
- Make sure to mix areas around side walls and bottom of pail. Improper mixing will result in non-curing material. Never fully invert empty pails in attempt to drain material - will result in non-curing material.
- Do not break down kits into smaller quantities - MIX ENTIRE KIT.

### Application Instructions

Immediately after the mixing, the top coat is applied onto the RW431 BIO Base Coat using a sheep skin roller.

Please refer to technical data below for specific coverage rates.

#### Cleaning

Before the product cures, clean equipment with isopropyl alcohol.

#### Please Note

- Do not apply when ambient temperatures are below 5°C.
- Do not apply when overnight temperature drops below 4°C.

### Health & Safety Precautions

Safety data sheet must be read and understood before use.

### 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. Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

### TECHNICAL DATA

PROPERTY	RESULT
Composition	Two-part, bio-based, polyurethane
Tensile Strength (ASTM D412)	9.7 MPa
Water Vapor Transmission (ASTM E96)	0.13 metric perms
Low Temperature Flexibility (ASTM D522)	Pass at -31.7°C (12.7 mm mandrel bend)
Tear Strength (ASTM D5147)	140 kg
Water Absorption (ASTM D471)	0.008
Indentation Hardness (ASTM D2240)	70 Shore A
Dimensional Stability (ASTM D5147)	< 0.1%
Reflectivity (ASTM C1549)	84%
Emissivity (ASTM C1371)	87%
Solar Reflective Index (ASTM E1980)	White: 104 falling to 103 after 3 years
Volume Solids (ASTM D 2697)	100%
Weight Solids (ASTM D 1644)	100%
Viscosity (ASTM D 2196)	2,500 - 5,500 cp (mPas)
Pot Life (25°C/50% RH)	20 - 25 minutes Temperature dependent - Increasing temperature reduces expected pot-life
Curing Time (25°C/50% RH)	2 - 4 hours
Coverage	0.8kg/m <sup>2</sup> - 20 Year Guarantee 1.2kg/m <sup>2</sup> - 25 Year Guarantee
Storage	Store in dry shaded conditions between +15°C and +26°C and low humidity. Storage temperatures must not exceed 43°C. Do not store in direct sunlight.
Shelf Life	12 months when stored as recommended in original unopened packaging