

## ALPHAGUARD BLUESHIELD

### KEY BENEFITS SUMMARY

- Rapid curing
- Excellent crack bridging performance
- 100% waterproof
- Spray applied
- Low odour
- Possibility to apply at very low temperatures (0°C)
- Fully tested puncture resistance capabilities
- Low flammability rating
- Effective root barrier
- Suitable for use in permanently immersed water

### PRODUCT INFORMATION

#### Description

AlphaGuard Blueshield is a two part, blue pigmented spray applied polyurethane elastomer. The membrane is pigmented blue to highlight application and gels in seconds to provide a seamless, fully adhered barrier.

#### Usage / Purpose

Developed to provide a complete waterproofing system that protects the substrate from water ingress and other contaminants.

#### Packaging

200kg / 1000kg - Metal drums / plastic IBCs

#### Colour

Blue

#### 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 area to be waterproofed must be dry, clean, free from contamination and free of dirt, grease, oil and other elements which could prevent good adhesion to the substrate.
- A smooth, level surface is required to ensure the consistent application of a minimum 2 mm dry film thickness.
- Metal parts should be rust free and thoroughly prepared before priming.
- Bubbles and imperfections should be repaired according to good roof practice.

#### Priming

- For concrete and steel, prime with AlphaGuard Blueshield Primer.
- For asphalt substrates, prime using AlphaGuard Blueshield Binder.
- If in doubt, please contact Tremco CPG UK Limited's Technical Services.

#### Mixing

- Parts A and B are transferred into and stored in temperature-controlled tanks, and maintained at between 50°C and 80°C, within the spray equipment during application.
- The spray equipment is computer controlled, and maintained at a Part A: Part B ratio of 100:96 + 5% by weight.

#### Application Instructions

- Spray apply in one coat @ 2.7kg/m<sup>2</sup> to give a minimum 2mm thickness.
- Apply an additional spray band over cracks, upstand junctions, details etc.
- Where the Blueshield membrane is left for more than 12 hours before any additional application works, prime a minimum 100mm lap onto the existing membrane using AlphaGuard Blueshield Primer.
- Allow a minimum of 4 hours before applying any external finishes.
- Refer to project specification proposal for more information.

#### Cleaning

Clean tools immediately after use with acetone.

#### Health & Safety Precautions

Safety data sheet must be read and understood before use.

Highly 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.

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	Blue pigmented polyurethane elastome
Shore A Hardness (BS903 Part A2 @ 23°C)	80
Tensile Strength	12.5 N/mm <sup>2</sup>
Tear Strength	28 KN/m
Resistance to Flow and Heat (Flow Test 70°C/Heat Test 240°C)	Undamaged
Elongation %	>250
Low Temperature Flexibility & Crack Bridging Ability (ASTM test method Cert C836 @ -26°C)	Conforms
Static & Dynamic Crack Bridging Test (BRE tested method EN1062-7 +23°C and -10°C maximised)	In extension 14mm
Crack endurance	Undamaged
Bending Test (Temperature range -20°C to -50°C)	Undamaged
Density	0.85-0.95 mg/m <sup>3</sup>
Rebound resilience (BS903 Part A8 @ 23°C)	26%
Consumption	Minimum 2.7kg/m <sup>2</sup> to obtain 2mm
Gel Time	8 seconds
Traffic Time	5 minutes
Able to apply weight	4 hours
Application Temperature	from 0°C and rising
Storage	Store in a cool dry place, out of direct sunlight
Shelf Life	6 months when stored as recommended in original unopened containers