Technical Data Sheet

RW512

AlphaGuard PUMA Concrete Primer

19-11-2026 / V 9

Description

RW512 is a two component primer consisting of RW512 resin and Catalyst.



Features and Benefits

- Fast curing asphalt primer which cures in approximately 30 minutes
- Can be applied at temperatures as low as 0°C
- Provides good adhesion to subsequent coats
- Quick and easy to apply
- Cold liquid applied; no hot works

Usage Purpose

RW512 is used as a primer on concrete, masonry and metal substrates to enhance adhesion prior to the application of the specified PUMA rapid-curing roofing system. RW512 is not suitable for non-ferrous heavy metals and zinc.

Packaging

20kg drums

Available Colour

RW512 Resin: Colourless and Catalyst: White Powder

Shelf Life

12 months when stored as recommended in original unopened containers.

Storage

Store in dry, shaded conditions between +5°C and +30°C

Technical Characteristics

Viscosity	DIN 53018 at +25°C	100 - 130 mPa*s
Composition		Two component methyl methacrylate-based concrete primer
Density	ISO 1183 at +20°C	1.16 g/cm³
Pot Life In +20°C		Approximately 15 minutes
Curing Time In +20°C		Approximately 30 minutes

Technical Data Sheet

RW512

AlphaGuard PUMA Concrete Primer

Technical Characteristics

Application Temperature		RW512 can be applied at ambient temperatures as low as 0°C, providing that the substrate is frost free.
Elongation At Break		0.62%
Tensile Strength	ISO 527	10.3 N/mm²
Storage		Store in dry, shaded conditions between +15°C and +25°C
Flash Point	ISO 1516	+11.5°C
Density At 25°C	ISO 02811	0.99 g/cm³
E Modulus		1990 N/mm²

Substrate Preparation

The surface must be smooth, dry, firm and free of dust, fat and oil and any other contaminants liable to prevent adhesion to the substrate.
The concrete must be mechanically prepared by grinding, scarifying or blasting.
Must not be applied to substrates with a moisture content >6%.

Mixing

RW512 resin should be stirred well to achieve a homogeneous state. Once fully mixed, add Catalyst and mix thoroughly again using the same method as above. It should be noted that the amount of catalyst powder to be added depends upon the temperature.
Temperature and weight % (grams per 20kg):
30°C - 1% (200g)
20°C - 2% (400g)
10°C - 4% (800g)
0°C - 6% (1200g)

Application

After the catalyst has been stirred in, the primer is poured onto the substrate in stripes and distributed with a sheep skin roller. On extremely porous substrates a second coat may be required.

Coverage

0.3-0.5kg/m²

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.

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 Sheet

RW512

AlphaGuard PUMA Concrete Primer

Health And Safety Precautions

Safety data sheet must be read and understood before use. Highly flammable - keep away from open flames and other ignition sources. Empty containers that have fully cured product residues can be considered as non-hazardous waste. Uncured product must be disposed of responsibly in accordance with local or national health and safety regulations. Please refer to the specific Tremco safety data sheet for further guidance.

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.

Tremco CPG UK Limited
Coupland Road, Hindley Green
Wigan, WN2 4HT
United Kingdom
+44 (0)1942 251400
hello@tremcocpg.com