

RW551

ALPHAGUARD PUMA COLOURED TOP COAT



KEY BENEFITS SUMMARY

- Easy to apply
- Fast curing
- Semi-flexible
- Weather resistant
- Based on PUMA technology-free from external plasticiser
- UV Protected
- Provides a durable, long lasting finish

PRODUCT INFORMATION

Description

RW551 is a medium viscosity, flexible and UV protected surface sealer based on acrylic resins. The curing is initiated by addition of RW591 Catalyst.

Usage / Purpose

RW551 is used as a surface sealer for AlphaGuard PUMA waterproofing systems to improve general resistance and maintenance properties.

Packaging

20kg drums: Traffic Grey
20kg units: Signal Red

Colour

Traffic Grey (RAL 7043)
Signal Red (RAL 3001)

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

- AlphaGuard PUMA WP must be dry, clean, free from dust and grease.
- Any fresh base coat must be completely cured.
- For broadcast systems all loose aggregate or flakes must be thoroughly removed prior to applying the RW551.

Mixing

- Prior to use, RW551 must be carefully stirred to achieve a uniform distribution of the paraffin and fillers contained in the product.
- RW551 is thoroughly mixed together with the CP510 MMA Initiator (50% dibenzoyl peroxide), in accordance with the below guidelines.

- RW551 is thoroughly mixed together with RW591 Catalyst (50% dibenzoyl peroxide), in accordance with the below guidelines.
- Ensure the product is mixed using a suitable non-sparking/ATEX mixer.

Dosage Chart

It should be noted that the amount of catalyst powder to be added depends upon the temperature.

Temperature	Weight % (Grams per 20kg)
30°C	1% (200g)
20°C	1.5% (300g)
10°C	3% (600g)
0°C	4% (800g)

Application Instructions

- Immediately after the catalyst has been added and mixed, the top coat is applied in a single layer onto the RW531 PUMA WP using a sheep skin roller.
- For good results it is important always to work with freshly catalyzed material (i.e. small batch sizes).

Cleaning

Clean tools, etc., and remove surplus material using RW593 AlphaGuard PUMA Cleaner

Health & 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.

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.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and deemed accurate at the time of issue.

Tremco CPG UK Limited 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 (Typical Values for Pigmented RW551)
Composition	Modified MMA resin
Viscosity (DIN 53018 @ 25°C)	190 - 270 mPa*s
Density (ISO 2811 @ 25°C)	1.10 g/ml
Pot Life/Processing Time (@25°C)	Approximately 15 minutes
Curing Time (@ 25°C)	Approximately 60 minutes
Flash Point (ISO 1516)	+11.5°C
PROPERTY	RESULT (Cured State)
Tensile Strength (ISO 527)	13.5 MPa
Elongation (ISO 527)	85%
Elongation At Maximum Strength (ISO 527)	6.9 %
Shore D Hardness (DIN 53505)	55
Abrasion Taber 500 Cycles	51 mg
Modulus Of Elasticity (ISO 527)	345 MPa
Coverage	Approximately 0.3-0.5kg/m ²
Storage	Store in dry, shaded conditions between +15°C and +25°C
Shelf Life	12 months when stored as recommended in original unopened containers

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

TECHNICAL CHARACTERISTICS (Cured State)

RW551 has been approved for use in all the listed conditions as certified by DIBT, Berlin.
European Technical Approval ETA-05/0208

USAGE CATEGORY	ETAG-005 CLASSIFICATION	CONDITIONS			
Climatic Zones	Moderate & Severe	Moderate Climate < 5 GJ/m ² - annual radiant exposure on horizontal surface < 22°C average temperature of the warmest month per year			
		Severe Climate > 5 GJ/m ² - annual radiant exposure on horizontal surface > 22°C average temperature of the warmest month per year			
Minimum Surface Temperature	TL4	Climatic Zone Extreme low temperature		- 30°C	
Maximum Surface Temperature	TH4	Climatic Zone Severe high temperature		+ 90°C	
Imposed Loads	P1 to P4	CATEGORY	USER LOAD	EXAMPLE OF ACCESSIBILITY	
		P1	Low	Non-accessible	
		P2	Moderate	Accessible for maintenance of the roofing only	
		P3	Normal	Accessible for maintenance of plant & equipment and to pedestrian traffic	
		P4	Special	Roof garden, inverted roofs, green roofs	
Roof Slope	S1 to S4	Slope			
		S1 < 5%	S2 5% to 10%	S3 10% to 30%	S4 > 30%

PHYSICAL PROPERTIES	NOT AGED	AFTER 200 DAYS 80 °C HEAT	AFTER 1000 MJ/M ² UV-RADIATION
E-modulus ISO 527	23.7 MPa	26.3 MPa	33.7 MPa
Tensile strength	10.72 MPa	11.04 MPa	8.07 MPa
Elongation %	283	263	225