

RW631

ALPHAGUARD FC LO FIELD



KEY BENEFITS SUMMARY

- Highly elastic membrane based on unique PUMA technology
- Excellent crack bridging performance
- Extremely low odour
- Very fast curing; 30 minutes at +15°C
- Highest resistance at extremely low and high temperatures (in accordance with ETAG 005)
- Possibility to apply at very low temperatures (0°C)
- High vapour permeability

PRODUCT INFORMATION

Description

RW631 is a two part, highly elastic, fully reinforced, polyurethane modified, benzyl methacrylate liquid applied membrane.

Usage / Purpose

RW631 is ideal for the repair, renovation and waterproofing of roof systems.

NOTE: The pot life after mixing the RW631 with Catalyst is 10 to 15 minutes depending on the ambient temperature and the amount of Catalyst used.

Packaging

25kg

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 2.3mm dry film thickness of RW631.
- Metal parts should be rust free and thoroughly prepared.
- Bubbles and imperfections should be repaired according to good roof practice.

Priming

- Typically no primer needed on asphalt, PVC and most bitumen felt. If in doubt, please contact Tremco CPG UK Limited's Technical Services.

- For concrete, metal and ceramic substrates, use RW512 before application of RW631. To wood substrates, apply TremVap Carrier Membrane prior to the application of RW631.

Mixing

- Prior to use, RW631 must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product.
- Ensure the product is mixed using a suitable non-sparking/ATEX mixer.
- RW631 is then thoroughly mixed together with the Catalyst (50% dibenzoyl peroxide).
- The amount of catalyst powder to be added depends upon the temperature.
- For all detailing work, use RW635. Refer to separate RW535 technical data sheet.

Dosage Chart

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

Temperature	Weight % (Grams per 25kg)
30°C	1% (0.25kg)
25°C	1.5% (0.375kg)
20°C	2.5% (0.625kg)
15°C	3% (0.75kg)
10°C	4% (1kg)
5°C	5% (1.25kg)
0°C	7% (1.75kg)

Application Instructions

- RW631 is applied using a medium pile sheepskin roller.
- Consumption: 3.1kg/m² for the 2 layers.
- Apply initial layer at 2.1kg/m².
- In the wet coating, bed in RW490 AlphaGuard 225g Reinforcement and apply a second layer wet on wet at 1kg/m². Ensure an overlap of at least 50 mm of each reinforcement strip.

Cleaning

Clean tools immediately after use with RW593.

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.

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 (Liquid State)
Composition	Based on polyurethane modified benzyl methacrylate
Viscosity	400-700 mPa:s
Tensile Strength	Not Aged: 4 MPa After 200 Days 80°C Heat: 11.04 MPa After 1000 MJ/M2 UV-Radiation: 8.07 MPa
Elongation %	Not Aged: 200 After 200 Days 80°C Heat: 263 After 1000 MJ/M2 UV-Radiation: 225
E-modulus ISO 527	Not Aged: 3.1 MPa After 200 Days 80°C Heat: 26.3 MPa After 1000 MJ/M2 UV-Radiation: 33.7 MPa
Density	1.36 g/ml
Solids	97%
Consumption	2.8 kg/m ² in 2 layers to obtain 2.3mm
Pot Life (15°C to 20°C)	± 15 minutes
Cure Time (15°C, 50% RH)	± 30 minutes
Rain Resistant	± 20 minutes
Application Temperature	from 0°C to +30°C
Storage	Store between +5°C and +30°C
Shelf Life	12 months when stored as recommended in original unopened containers