

CP380

REPOMA RAPID CURE ROOFING MEMBRANE



KEY BENEFITS SUMMARY

- Highly elastic membrane based on unique PUMA technology
- Excellent crack bridging performance
- 100% waterproof and UV protected
- 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

CP380 is a heavy duty waterproofing system based on polyurethane modified methacrylates.

Usage / Purpose

CP380 is ideal for the repair, renovation and waterproofing of roof systems. CP380 can also be used for the waterproofing of construction details.

NOTE: The pot life after mixing the CP380 Catalyst is 10 to 15 minutes depending on the ambient temperature and the amount of CP380 Catalyst used.

Packaging

25 kg CP380 Membrane
10 kg CP520 Thixotropic Filler
25 kg & 2 kg CP510 Initiator
20 kg CP930 MMA Sealer
25 kg CP592 Pigment
5 litre AW421 Cleaner
150 mm X 91.5m roll CP581
1,020 mm x 98.8m roll CP581

Availability

Direct from tremco illbruck (see back of leaflet for address and telephone details).

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 of CP380.
- Metal parts should be rust free and thoroughly prepared.
- Bubbles and imperfections should be repaired according to good roof practice.

Priming

- No primer needed on metals, glass, asphalt, PVC and most bitumen felt.
- For concrete, wood and cement substrates, use CP150 Primer before the application of CP380.

Mixing

- Prior to use, CP380 must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product.
- CP380 is then thoroughly mixed together with the CP510 Initiator (50% dibenzoyl peroxide).
- The amount of catalyst powder to be added depends upon the temperature.
- In order to provide the required workability for all detailing work, CP520 Thixotropic Filler should be added to the CP380 at a rate of 2% by weight.

Addition of Initiator

A typical addition rate for 20°C or below is 2% addition of initiator by weight of the resin. For temperatures above 20°C, please contact tremco illbruck Technical Services.
100 gm CP510 Initiator = 150 ml

Method of Application

- CP380 is applied using a rake, roller, or rubber squeegee.
- Consumption: ± 2.8 kg/m² for the 2 layers.
- Apply 1.2 kg/m² CP380.
- In the wet coating, bed in CP581 Reinforcement Fabric and apply a second layer wet on wet of 1.6 kg/m² CP380. Ensure an overlap of at least 50 mm of each fleece strip.
- Let cure and when fully cured apply CP930 Waterproof Sealer if required.

Cleaning

Clean tools immediately after use with AW421 Cleaner.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

tremco illbruck 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 illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, 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 believed to be correct.

tremco illbruck 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 methacrylates
Density	1.36 g/ml
Solids	100%
Consumption	2.8 kg/m ² in 2 layers to obtain 2 mm
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 +15°C and +20°C
Shelf Life	6 months when stored as recommended in original unopened containers

TECHNICAL CHARACTERISTICS (Cured State)

CP380/CP930 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	
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

