

CP215

MMA FLEXIBLE BASE COAT



KEY BENEFITS SUMMARY

- Flexible and crackbridging at low temperatures
- Wear/impact resistant formulations possible
- Easy to apply
- Fast curing even at low temperatures
- PUMA technology - free from external plasticiser

PRODUCT INFORMATION

Description

CP215 is a flexible modified MMA resin base coat based on PUMA technology.

Usage / Purpose

CP215 is a flexible resin binder intended for the formulation of flexible membranes and flexible, wear resistant coatings exposed to subzero temperatures. It is mainly used for:

- Waterproofing and shock absorbing membranes.
- Flexible floor coverings especially if exposed to low temperatures (e.g. coolers and freezers).
- As a wearing layer for outdoor applications exposed to heavy mechanical loadings and rapid temperature variations (i.e. ramps, bridges and car parks).

Packaging

180 kg steel drums, 20 kg metal pails and 800 kg IBCs

Availability

Direct from tremco illbruck (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 coated, must be pre-treated with an appropriate TREMCO primer (e.g. CP150 MMA Concrete Primer) including sanding.
- The substrate must be dry, firm, solid and free of dust, fat and oil.
- All bond breaking substances should be removed.

Mixing

- Prior to use CP215 must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product.
- CP215 is thoroughly mixed together with the CP510 MMA Initiator (50% dibenzoyl peroxide), in accordance with the below guidelines.
- Ensure the product is mixed using a suitable non-sparking/ATEX mixer.

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

at 30°C add 1% by weight of resin
at 20°C add 2% by weight of resin
at 10°C add 4% by weight of resin
at 0°C add 5% by weight of resin
below 0°C add 5% by weight of resin

Please contact our Technical Service Department for further details.

Note: Weight to Volumetric conversion of Catalyst.

1 cm³ of CP510 MMA Initiator = 0.64 g

1 g of CP510 MMA Initiator = 1.57 cm³

Method of Application

- The material consumption and application method depends in which of the TREMCO MMA systems CP215 resin is being used for; see specific system data sheets for further information.

Cleaning

Clean tools, etc., and remove surplus adhesive using AW421 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.

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TREMCO

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 | Modified MMA resin |
| Viscosity (DIN 53018 @ 25°C) | 160-200 mPa*s |
| Density (EN ISO 2811 @ 25°C) | 0.99 g/ml |
| Pot Life/Processing Time (@20°C) | 15 - 18 minutes |
| Curing Time (@ 20°C) | 60 - 120 minutes |
| Application Temperature Range | 0 – 35°C |
| PROPERTY | RESULT (Cured State) |
| Tensile Strength at 20°C (ISO527) | 11.0 MPa |
| at 0°C | 20.6 MPa |
| Elongation at Break at 20°C | 250% |
| at 0°C | 158% |
| Modulus of Elasticity at 20°C | 2.4 MPa |
| at 0°C | 407 MPa |
| | Varies according to requirements, refer to project-specific specification or refer to tremco illbruck technical services |
| Coverage | For trafficked decks typically 1.5 kg of CP215 is mixed with 3.0 kg of CP500 Filler and applied at a rate of 4.5 kg/m ² and blinded with 4.0 kg/m ² of CP507 Medium Sand. |
| Storage | Store in shaded dry conditions between +15°C and +20°C |
| Shelf Life | 6 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.



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