

CP300

MMA TROWEL GRADE RESIN



KEY BENEFITS SUMMARY

- Easily trowelled to an even finish
- Fast curing resin - cures in 60 - 120 minutes at +20°C
- Suitable for application in wet and dry production areas
- Good resistance to chemical and mechanical damage

PRODUCT INFORMATION

Description

CP300 MMA Trowel Grade Resin is a medium/high viscosity, two part, reactive and colourless resin for TREMCO MMA Systems.

Usage / Purpose

CP300 MMA Trowel Grade Resin acts as a binder in the TREMCO MMA Systems.

LIMITATIONS

- Not recommended for use at less than 1mm thickness.
- Not for use in areas subject to spillages of organic solvents (eg. xylene).

Colour

Colourless

Packaging

CP300 MMA Trowel Grade Resin: 180 kg steel barrels

CP510 MMA Initiator:
2 kg boxes

Availability

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

Standards

For flooring applications, all aspects of the installation must be in accordance with the requirements of BS 8204 and supplementary specifications.

Design Considerations

The most appropriate TREMCO MMA System is determined by assessing the condition of the substrate and the environmental conditions (eg. type and nature of traffic, spillages, cleaning requirements, etc.); therefore, it is essential that a tremco illbruck Technical Sales Representative conduct an onsite survey to determine correct specification.

Moisture Testing

In Accordance with BS 8203)

- Hygrometer readings must be taken and recorded so that the correct TREMCO MMA System can be selected.
- Concrete curing compounds and over trowelled concrete will extend the time taken for the hygrometer to reach equilibrium.
- Subfloor measurement readings of up to 75% RH can be accommodated with the System.

Surface Preparation

The concrete substrate must be to the correct specification for the TREMCO MMA application. In the interest of all parties, tremco illbruck should be consulted at the design stage and it is recommended that the tremco illbruck Technical Sales Representative should attend the site to confirm the specified standard.

Priming

- The surface to be coated must first be primed using a suitable TREMCO MMA Primer (eg. CP150 MMA Concrete Primer).
- The surface must be clean, smooth, dry, solid and free from contaminants.
- For further information refer to method statement on TREMCO MMA Systems.

Method of Application

- CP300 MMA Trowel Grade Resin can be used in a number of ways depending on the performance characteristics required; however, a minimum thickness of 1 mm is recommended.
- The resin must be stirred well to achieve an even distribution. Add and mix the pigments BEFORE adding initiator powder.
- Add the CP510 MMA Initiator and mix thoroughly using a slow speed drill and paddle until all the powder has dissolved, (see Addition of Initiator table for dosage rates).

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- Add and mix in aggregate as required AFTER adding the initiator powder.
- The mixed material should then be applied according to the specified method for the system use.

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.

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
Composition	A medium/high viscosity, two part, reactive resin based on methyl methacrylate
Viscosity (DIN 53214 at +25°C)	150 - 200 mPa*s
Density (DIN 51757 at +20°C)	0.98 g/cm ³
Pot Life/Application Window (at +20°C)	Approximately 15 - 18 minutes
Curing Time (at +20°C)	Approximately 60 - 120 minutes
Flash Point (ISO 1516)	+10°C
Tensile Strength (DIN 53455)	14.9 N/mm ²
Elongation at Maximum Strength	5.1%
Elongation at Break	88%
E Modulus	453 N/mm ²
Density (DIN 53479 at +20°C)	1.11 g/cm ³
Coverage	The coverage rate for CP300 MMA Trowel Grade Resin depends on the specified system, for further details contact tremco illbruck Technical Services
Storage	Store in dry, shaded conditions between +5°C and +25°C
Shelf Life	6 months when stored as recommended in original unopened containers



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