

# CP305

## MMA FLEXIBLE TROWEL GRADE RESIN



### KEY BENEFITS SUMMARY

- Provides additional flexibility to absorb impacts and vibrations
- High crack resistance
- Fast curing resin
- Suitable for filling floor joints

### PRODUCT INFORMATION

#### Description

CP305 MMA Flexible Trowel Grade Resin is a high viscosity, two part, reactive and colourless resin for TREMCO MMA Systems.

#### Usage / Purpose

CP305 MMA Flexible Trowel Grade Resin is designed to be used in TREMCO MMA Systems that require additional flexibility and as a flexible filler for joints and overbanding cracks.

#### LIMITATIONS

Not suitable for:

- use in areas exposed to water above +45°C
- use in areas subject to spillages of organic solvents (eg. xylene).

#### Colour

Colourless

#### Packaging

180 kg steel barrels and 50 kg drums

#### 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 Consideration

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 the correct specification.

#### Moisture Testing

(In Accordance with BS 8203)

- Hygrometer readings must be taken and recorded so that the correct TREMCO 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 (measurable) can be accommodated with the System.

#### Surface Preparation

The concrete substrate must be to the correct specification for the TREMCO MMA System application. In the interest of all parties, Tremco illbruck should be consulted at the design stage and it is recommended that a 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 MMA Primer (eg. CP150).
- 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

- CP305 MMA Flexible Trowel Grade Resin can be used in a number of ways depending on the performance characteristics required. The resin must be stirred well to achieve an even distribution. Add and mix any specified accelerator or delaying agents and 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).
- 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 used

### 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 sheets 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 (Typical Values for Pigmented CP930)
Composition	A high viscosity, two part, reactive resin based on methyl methacrylate
Viscosity (DIN 53214 @ 25°C)	620 - 680 mPa s
Density (DIN 51757 at +20°C)	1.01 g/cm <sup>3</sup>
Pot Life/Application Window (@20°C)	20 minutes
Curing Time (@ +20°C)	60 - 120 minutes
Flash Point (EN ISO 1516)	+10°C
Tensile Strength (DIN 53455)	6.4 N/mm <sup>2</sup>
Elongation at Maximum Strength	217%
Elongation Break	217%
E Modulus	54 N/mm <sup>2</sup>
Density (DIN 53479 at +20°C)	1.18 g/cm <sup>3</sup>
Coverage	The coverage rate for CP305 MMA Flexible Trowel Grade Resin depends on the specified system, for further details contact tremco illbruck Technical Services.
Storage	Store in shaded dry conditions between +5°C and +25°C
Shelf Life	6 months when stored as recommended in original unopened containers

