



### PMMA-BASED TOP COAT / SEALER COAT

A heavy duty, flexible top coat sealer. It's suited to sealing the PMMA range of systems, providing steel deck protection, to sealing concrete floors and to encapsulate anti-skid / non-slip systems.

The Top Coat can be used for creating patterns such as tile effects or lettering. Different finishings (chips, sand, etc) can be applied to achieve the desired slip-resistant properties and optional decorative chips are available.

### PRODUCT DESCRIPTION

A solvent-free, 2-component, fast curing and highly flexible methacrylate top coat sealer coating.

### APPLICATION AREAS

- Flat and Pitched Roof Areas
- Balcony Waterproofing
- Car Parking
- Production Areas
- Offshore decks, lay down areas and walkways
- Walkways
- Warehouse
- The fluid or thix grade is applied to our waterproofing coating for steel or concrete as a sealer

### KEY BENEFITS

- Fast-curing with a hardening time of just 40 minutes (at 20°C and with a PMMA Catalyst dosage of 2% pbw. added to the Resin Base)
- Good gloss retention
- High mechanical durability for internal and external applications on concrete and steel
- Excellent resistance to UV and weathering
- Good abrasion resistance
- This technology can be thixotroped when using on sloping surfaces or for vertical application
- Can be applied in low temperatures ranging from -10°C to 30°C. And for substrate temperatures of -10°C, please refer to PMMA Additive LT Technical Data Sheet.

### PRODUCT INFORMATION

Volume Solids	100%
Typical Thickness	Minimum 300 microns
Theoretical Coverage	0.6 - 1.1Kg/m <sup>2</sup>
PMMA Catalyst	2 - 6% (% by weight). See "PMMA Catalyst Dosages"

### APPLICATION DETAILS

PMMA-Based Top Coat / Sealer Coat

For mixing the product: Twin paddle mixer, steel container

Method of application: Brush, roller

Thinner: Do not thin

Cleaner: PMMA Cleaning Agent 10 litre

#### PRODUCT

This is a solvent-free, 2-component methacrylate top coat sealer coating

#### PACKAGING

10kg container

#### SHELF LIFE

6 months if stored in the unopened original container in dry (min 5°C) frost-free location

#### STORAGE

Store in safe place out of reach of children

#### INFORMATION ON SAFETY AND RISKS

Please refer to the safety data sheets for the products used



**PMMA CATALYST DOSAGES**

Substrate Temperature	PMMA Catalyst % pbw.	Pot Life approx. min	Hardening Time approx. min
0°C	6.0	20	50
+10°C	4.0	20	45
+20°C	2.0	15	40

For substrate temperatures of -10°C, please refer to PMMA Additive LT Technical Data Sheet.

**SURFACE PREPARATION**

Ensure all areas are clean, dry and free from dust, dirt, corrosion and general surface contamination. All oils, grease, etc. should be removed with suitable degreasing solution pre application onto any pre-applied PMMA.

Concrete and steel surfaces should be preferably Bristle Blasted/Grit blasted to SA 2½ in accordance with DIN 55929.

Non-ferrous metals must be cleaned and prepared by Bristle Blasting or Grit blasting.

Always prime the substrate (see PMMA-Based Universal Primer).

**ADVICE ON APPLICATION**

Due to exothermic reaction with mixing process, please ensure the product is mixed in a steel container. First stir the PMMA-Based Top Coat / Sealer Coat with paddle mixer thoroughly. Then add the PMMA Catalyst while stirring the sealer coating at a slow speed.

Mix for 1 - 2 minutes.

You must not dose less than the given quantity of PMMA Catalyst, as this will jeopardize the curing process.

You must also avoid overdosing the PMMA Catalyst, as this can likewise lead to serious curing problems.

The material must be applied as soon as the PMMA Catalyst has finished dissolving in the resin components.

**APPLICATION CHARACTERISTICS**

Characteristics of PMMA-Based Top Coat / Sealer Coat as delivered

Property	Measuring Method	Approx. Value
Viscosity at +20°C	DIN 53 019	350 – 550 mPa · s
Flow time at +20°C, 6mm	DIN EN ISO 2431	45 – 70 sec.
Density D <sub>4</sub> <sup>20</sup>	DIN EN ISO 2811	1.2 g/cm <sup>3</sup>
Flash point	DIN 51 755	+10°C
Pot life at +20°C (100g, 2 % pbw. PMMA Catalyst)	Approx. 15 min.	
Application temperature	0°C to + 30°C	

**STORAGE AND HANDLING**

Storage: Store in a safe place out of the reach of children.

Pack Size: 10Kg.

Shelf Life: 6 months if stored in the unopened original container in a dry (min. 5°C) frost-free location.

**SAFETY ADVICE**

A copy of the appropriate Health & Safety Data Sheet should be consulted prior to using the product. This can be faxed if urgently required.

Minimum precautions for all paints:

1. Avoid skin and eye contact i.e. wear gloves, goggles, etc.
2. Ensure good ventilation, mechanical if necessary.
3. Store and use away from heat and flame.



4. Do not eat or smoke in the vicinity of work.
  5. Wash hands before eating.
- Refer to supply container for additional warning labels

#### **EQUIPMENT CLEANING**

If work is interrupted or when it is completed, clean the tools thoroughly with cleaning agent within the pot life of the material. This can be done with a brush. Do not use the tools again until the cleaning agent has evaporated fully. Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

#### **INFORMATION ON SAFETY AND RISKS**

Please refer to the safety data sheets for the products used.

#### **GENERAL INFORMATION**

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge. However, the wide variety of requirements and conditions on site mean that it is necessary for the product to be tested to ensure that it is suitable for the intended purpose.

Only the most recent version of this document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.

#### **DEFINITIONS**

<b>Practical Coverage</b>	Practical coverage can vary considerably depending on method of application, surface roughness, weather conditions and complexity of the structure.
<b>Pot Life</b>	Applies only to two component products and refers to the time the mixture remains usable.

#### **DISCLAIMER**

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied him/herself independently as to the suitability of our products for his/her own particular purpose. In no event shall Cactus Industrial be liable for consequential or incidental damages.

This document will normally be updated at least every two years. It is the users' responsibility to ensure that they have the current copy.