



PMMA-BASED UNIVERSAL PRIMER

A high performance multi-surface primer for absorbent and non-absorbent substrates. It delivers excellent adhesion on to concrete, cement screed, asphalt as well as tiles and metals such as untreated steel, stainless steel, aluminium, galvanized sheet metal and other non-absorbent substrates.

PRODUCT DESCRIPTION

This Primer is a solvent-free 2-component methacrylate resin system. It's used in conjunction with PMMA-Based Waterproofing Coating, PMMA-Based Self-Levelling Mortar, PMMA-Based Top Coat / Sealer Coat and Anti-Slip Paint.

PRODUCT INFORMATION

Volume Solids	100%
Typical Thickness	40 microns DFT minimum
Theoretical Coverage	3.3m ² /per kg
PMMA Catalyst	1.5 - 3% (% by weight). See "PMMA Catalyst Dosages"
Colour	Clear resin

PRODUCT

This Primer is a solvent-free 2-component methacrylate resin system

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

APPLICATION DETAILS

For mixing the product: Twin paddle mixer, steel container

Method of application: Brush, roller

PMMA CATALYST DOSAGES

Substrate Temperature	PMMA Catalyst % pbw.	Pot Life approx. min	Hardening Time approx. min
0°C	3.0	32 – 36	50 – 60
+10°C	2.0	18 – 22	45 – 55
+20°C	1.5	12 – 14	35 – 45

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. 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.

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 Universal Primer with a paddle mixer thoroughly. Then add the PMMA Catalyst while stirring the primer 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.

The mixing time is about 1-2 minutes.

APPLICATION CHARACTERISTICS

Characteristics of PMMA-Based Universal Primer as delivered

Property	Measuring Method	Approx. Value
Viscosity		180 – 250 mPa · s
Density D ₄ ²⁰	EN ISO 2811-2	0.99 g/cm ³
Flash point	DIN 51 755	+10 °C
Pot life at +20 °C (100g, 1.5 % pbw. PMMA Catalyst)		12 – 14 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 Unit.

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

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| Practical Coverage | Practical coverage can vary considerably depending on method of application, surface roughness, weather conditions and complexity of the structure. |
| Pot Life | 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.