

PRODUCT DATA SHEET

Sikalastic®-500 Acrylic Primer AP

(formerly MProtect P 155)

1-part water based acrylic primer

DESCRIPTION

Sikalastic®-500 Acrylic Primer AP is a 1-part, water-based, acrylic primer to prepare surfaces prior to the application of liquid applied waterproofing membranes and wall coating systems.

USES

The Product is used as a:

- Primer and bonding agent on smooth concrete finishes
- Primer for absorbent surfaces for water-based Sikalastic® roofing systems

- Dust reducer and to increase abrasion resistance of the substrate
- Pore sealer on rough porous concrete to eliminate air bubbles

CHARACTERISTICS / ADVANTAGES

- Easy to apply
- Applied by brush or roller
- Fast drying
- Improves adhesion of the liquid applied membrane to the substrate

PRODUCT INFORMATION

Chemical Base	Water-based acrylic	
Packaging	20 L containers 5 L containers Refer to current price list for packaging variations	
Colour	Liquid	milky white
	Dried	transparent
Shelf Life	12 months	
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.	
Density	(1.00 ± 0.05) kg/L (at +23 °C)	(EN ISO 2811-1)
Solid content by weight	(22 ± 3) %	

APPLICATION INFORMATION

Consumption	0.2–0.3 L/m ² Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.	
Ambient Air Temperature	Maximum	+40 °C
	Minimum	+5 °C
Relative Air Humidity	80 % maximum	
Dew Point	Beware of condensation. The substrate and uncured applied roof material must be at least +3 °C above dew point to reduce the risk of condensation on the surface finish.	
Substrate Temperature	Maximum	+40 °C
	Minimum	+5 °C
Substrate Moisture Content	≤ 6 % parts by weight. The substrate must be visibly dry with no standing moisture. The following test methods can be used: Sika®-Tramex meter, CM-measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene sheet).	
Waiting Time / Overcoating	30 minutes Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.	

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

GENERAL

- Substrates must be free of standing water (no puddles) clean and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.
- All dust, loose and friable material must be completely removed from all surfaces before application of the Product, and associated system products, by industrial vacuuming equipment.
- To confirm adequate surface preparation and Product adhesion, carry out a small trial before full application together with adhesion tests.

CEMENTITIOUS SUBSTRATES

- Substrate must be sound with a minimum tensile adhesion strength of 1.5 N/mm², clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.
- New concrete must be cured for at least 28 days and have a tensile strength > 1.5 N/mm².
- Cementitious substrates must be prepared mechanically using substrate preparation equipment to remove cement laitance and achieve an open textured gripping surface profile suitable for the product thickness.
- High spots can be removed by grinding.
- Weak cementitious substrates must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of joints, blowholes / voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials. Products must be cured before applying Sikalastic®-500 Acrylic Primer AP.

BRICK AND STONE

- Mortar joints must be sound and flush pointed.
- Replace loose bricks, stone and mortar.
- Thoroughly clean the surface by power washing and allow to dry.

UNGLAZED CERAMIC TILES

- Ensure all tiles are securely fixed.
- Replace any broken, loose or missing sections.
- Thoroughly clean the surface by power washing and allow to dry.

CLAY TILES

- Ensure all tiles are securely fixed.
- Replace any broken, loose or missing sections.
- Thoroughly clean the surface by power washing and allow to dry.

MIXING

Product is supplied ready to use

IMPORTANT

Avoid over-mixing to minimise air entrainment.

Before application, mix for at least 1 minute or until the liquid is uniform.

Note: Use an electric single or double paddle mixer (300–400 rpm) with spiral paddle for mixing.

APPLICATION

IMPORTANT

Protect from rain

After application, the product must be protected from heavy rain or rain showers until dry to prevent surface damage.

1. Apply Sikalastic®-500 Acrylic Primer AP to the clean substrate with roller or brush.
2. Allow to dry until clear film appears.
3. Primer is dry when all milkiness disappears.
4. In the case of very porous substrates apply a second coat.

Note: Always confirm waiting / overcoating times have been achieved and the surface is totally dry without pinholes before applying successive coats of products. Remove surface water between coating applications.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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