

## Mahaseal<sup>™</sup> PU - 600

### Single Component Polyurethane Sealant

#### Description

**MAHASEAL PU - 600** is single component polyurethane based elastomeric sealant which cures under the effect of atmospheric humidity. It is highly elastic, tear and weather resistant.

#### Features / Advantages

- Excellent abrasion resistant.
- Excellent application characteristics.
- High Strength adhesion bonding.
- Excellent adhesion to a wide variety of substrates.
- Flexible & highly elastic.
- Non staining including hydrophobic staining.
- Damp surface tolerant.
- Low-dirt pick-up.
- High movement accommodation.
- Perform well in temperature range of -20°C to +80°C.

#### Areas of applications

- Bonding different materials used in the building industry.
- Good adhesion without primer on materials like wood, anodized aluminum, polyester, glass, concrete, stone, ceramic tiles, stoneware.
- For difficult materials, including plastics such as PVC, ABS, PMMA, or materials such as raw aluminum, lacquered metal, perform preliminary tests to determine whether a surface preparation is necessary.

#### Technical Information

Sr.No.	PROPERTIES	SPECIFICATON
1	Appearance	Pasty
2	Color	Various
3	Density at 20°C	Black: 1.15+ 0.02 Other: 1.16 + 0.02
4	Sagging (ISO 7390)	< 3mm
5	Application Temperature	5°C to 35°C
6	Skin formation time at 23°C and 50% HR	5 to 10 hrs.
7	Cure time at 23°C and 50% HR	> 2mm/24 hrs.
8	Shore A hardness (Internal method IT-20 after 868 – 3 seconds)	Approx. 25
9	Modulus at 100 % (ISO : 8339)	< 0.4 Mps
10	Elongation at Break (%) (ISO : 8339)	> 400
11	Moment Accommodation Factor (%) (MAF)	+/- 25
12	Temperature Resistance	-20°C to +80°C
13	Resistance to dilute acids and bases	Average
14	UV Resistance	Good
15	Compatibility with paints	On cured sealants Water based: Yes Solvent Based: Carry out tests beforehand
16	Specific Data	Weather ability: Good Tear resistance (ISO : 34) : Env. 6.5 N/mm

#### Instruction for use

##### Substrate preparation

- The substrates must be clean, dry & free from dust, oil, grease and any contaminants that could harm bonding.
- Check the compatibility of the solvent used with the substrates.
- When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.
- Apply a primer if necessary.
- If necessary, rub down metal surfaces by scrubber. Clean it after rubbing down. Allow the substrate to dry after degreasing.
- We recommend that concrete is cleaned with a metal brush before application.

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#### Caulking

- MAHASEAL PU - 600 can be applied by a manual or pneumatic gun.
- After application, use a putty knife to smooth the joint with soap water.
- This product should be used within 24 hours of opening the sausage protection; under 5°C.
- Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

#### Precautions & Limitations

- Do not apply when the ambient temperature is below 10°C or above 45°C.
- Do not apply during rains. Application done on SSD condition.
- Adhesion property may get affected over poor quality putty and very smooth surfaces.
- When applying on a concrete surface make sure the concrete is completely cured.
- For performing any kind of pond test in case of water proofing kindly allow the membrane to be cured for minimum 7 days.
- Consume mixed material within 45 to 60 minutes.
- Do not apply coating over loose or cracked plaster surface.
- Not to be used for cathodic treatments to rebar.

#### Coverage

Sealant : To estimate the no. of running meter work done in 1 kg of Mahaseal PU - 600 required to seal the joint can be very easily estimated by using the following formula:-

$$\text{Length/kg} = 862 / (W \times D)$$

Where, L = Length of the joint in linear running meter,

W = Width of the joint in mm.

D = Depth of the joint in mm.



#### Packing

600ml sausage



#### Storage and Shelf life

12 months in closed packaging stored in dry premises at a lower temperature lower than 25°C. In cold weather store the cartridges at about 20°C before use.



#### Cleaning of Tools & Equipments

Tools and equipments can be easily clean with acetone.

#### Ecology, Health and Safety

Health & Safety instructions, all chemicals should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn.

If contact with skin occurs, wash well with soap and water.

Eye contamination should be washed thoroughly with clean water and medical advice sought. If swallowed seek medical attention immediately. Do not induce vomiting.

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#### Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

# Mahafix

WATERPROOFING SPECIALIST



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