

## Technical Data Sheet

# Polygomma Bonding Adhesive

### Description

The Polygomma™ Bonding Adhesive (BA) is specially designed to splice the joints and to bond the Polygomma™ EPDM Roofing Membranes and Polygomma™ EPDM Pond Liners to various substrates in case of full bonding.

### Preparation of Substrates

- Substrates must be clean dry and free of all containments. It is important that all loose & material materials, sharp edges, oil, grease, etc must be removed.
- All civil defects such as cracks, undulation, etc must be removed. The surface must be fit to receive waterproofing/roofing treatment.
- All surface voids greater than 1/4" wide shall be repaired appropriately.

### Suggested Application Procedure

- 🔧 Clean the surface thoroughly to remove any dirt, etc. Ensure that the surface to be bonded is clean and dry.
- 🔧 Buff the splice joints/surface of membrane that needs to be bonded – **Very important**. This can be done with a 36 grit emery paper with an orbital sander machine.
- 🔧 To apply Polygomma™ BA, pour the adhesive on the membrane/substrate and then spread with the use of a rubber blade/wiper, to ensure maximum coverage. Make sure that Polygomma™ BA is applied evenly on the entire area of both the surfaces (membrane and substrate) and allow it to dry for 5-10 minutes. The bonding adhesive should remain tacky. Avoid over drying.
  - Polygomma™ BA can be applied on overlap joints using a brush.
- 🔧 Join both the surfaces and press well to get a strong and perfect bond.
- 🔧 Keep a roller handy and move it over the freshly bonded surface, to ensure that there are no bubbles or trapped air.
- 🔧 It is recommended to keep some weight on the bonded surface to get best results. Make sure that the weight does not damage the membrane. Heat of 60 °C (for few seconds) on bonded surface by Hot air will enhance bond strength to great extent.
- 🔧 Please note that the maximum bond strength will occur after 24-48 hours, once the Polygomma™ BA is completely cured. The time taken depends on the porosity of the surface and ambient temperature.

### Coverage\*\*

1.1-135 Sq Meter/Litre

\*\* The indicated coverage is an approximate for 2 coats (1 on the membrane and 1 on the substrate) of the bonding adhesive. The actual coverage obtained may vary depending on

various factors such as substrates, climate, labour, etc. Polygomma does not stand guarantee for the actual coverage obtained

## Storage

- The lid of the container should be tightly closed after use. The material should be stored in a cool place, away from direct sunlight.
- No hot activities such as welding, use of flame, etc should be carried out near the storage and supplication area of Polygomma™ BA, as it contains flammable solvents.
- Polygomma BA is hygroscopic and flammable. Necessary precautions should be taken during transport, storage, and use.
- The recommended usage/application temperature is minimum 20°C, to maximum 35°C for better adhesion and tack.
- During the application/use the dew point should not be less than 3.  
Always apply Polygomma BA during dry conditions.

## Characteristics (When Packed)

<b>Base</b>	Synthetic Rubber
<b>Type</b>	Rubber Contact Adhesive
<b>Product Description</b>	Rubber Adhesive
<b>Colour</b>	Dark Brown
<b>Odour</b>	Mostly Hydrocarbon
<b>Solid Content</b>	23±1
<b>Specific Gravity</b>	0.82
<b>Viscosity</b>	2000-2200 cps (Brookfield Viscometer No 3@20 rpm)
<b>Shelf Life</b>	12 months from date of manufacturing
<b>Caution</b>	Keep away from heat and flame

## Packing

30 liters/25 liters

For goods shipped outside of India, the packing size shall be 25 litres.

## Shelf Life

**12 months from date of manufacturing if stored properly.**

## Precautions

Stir well before use.

The lid of the container must be closed tightly and should be stored in a covered shed, away from direct sunlight.

Apply and use in dry conditions.

The Polygomma™ Bonding Adhesive (BA) should always be applied on an area of the EPDM membrane which is buffed.

**Caution:** The Polygomma™ BA is hygroscopic and flammable. Please take the necessary precautions during transportation, storage and use.

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