

Polygomma™ Bonding Adhesive (BA) Technical Data Sheet

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.

Application

- 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**

1.2-1.5 Sq Meter/Litre

Storage & Handling

- 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 application 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)

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

Packing

30 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.

** 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.

The information given here in is based on tests conducted in-house laboratory and/or independent accredited laboratories. While the information is presented as true and accurate to the best of our knowledge, Polygamma assumes no responsibility or liability with regard to the use of this information. The right to make periodic revisions of the specifications without prior notice is reserved. Many factors beyond our control can affect and influence the use and performance of our products at any particular application. Since these factors are uniquely within the users' knowledge and control, it is essential that users evaluate the product to determine its suitability for purpose. Please, ensure before using that product is suitable for the material intend application. No warranty is given or implied by us as the site conditions and the skill of labour used for application is beyond our control

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