

TECHNICAL DATA SHEET

31 March 2025, Issue 3

RIGIBOND 5



RIGIBOND 5 is a two-component filled polyurethane adhesive used to bond LAMBDABOARD® range, polyurethane, thermoplastic and other suitable substrates, including concrete, metal sheeting, bitumen torch on membranes, GRP, wood etc. The adhesive does not contain any solvents and is VOC free. This adhesive is suitable for batch mixing. The adhesive can withstand constant exposure to temperatures up to 100 °C.

TYPICAL PHYSICAL PROPERTIES

PART A		PART B	
Resin (Polyol blend)		Resinate 200 MDI	
Appearance:	White	Appearance:	Dark Brown Liquid
Relative density (SG):	1.76 g/ml	Relative density (SG):	1.22-1.23 g/ml

Typical Reaction Profile at 20 °C	
Ratio:	5 : 1 (m/m) (Polyol Part A : MDI Part B)
Pot Life (pourable):	15 - 20 minutes
Gel Time:	30 minutes
Open Time:	40 minutes

GUIDELINE ON APPLICATION

Ratio: Ensure that the specified ratio for the system is adhered to. Consult the table above.

Mixing: The two components are to be mixed using a paint mixer on the end of a drill utilizing the part A vessel as the mixing vessel for both components. Mix Part A first to redisperse settled filler, preparing it for Part B. Add Part B into the mixing vessel of Part A and mix again. The total mix must be a uniform in colour and no streaks seen.

Application: Ensure that all substrates are free of water and are clean of any residue. The mixed system can then be applied onto the relevant surface/substrate. The adhesive can then be spread out using a fine-toothed trowel. The spread rate is $\pm 500\text{g per m}^2$. Once the adhesive has been evenly spread out, the relevant substrate can then be bonded. Sufficient bonding occurs after a minimum of 4 hours and full bonding after 12 hours; this depends greatly on the ambient and substrate temperatures. Various reaction profiles on request.

Learn more at: www.rigifoam.com

QUALITY MANAGEMENT BY:



PROUDLY MANUFACTURED BY:



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STORAGE AND HANDLING

The product must be stored out of direct sunlight and weather. The containers must be kept sealed against moisture at all times in storage. Ideal storage temperature $\pm 20^{\circ}\text{C}$. Under these conditions the product will remain stable for 6 months.

SAFETY CONSIDERATIONS

Recommended use of proper PPE should always been adhered to. For safety considerations, refer to MSDS.

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