

EXPANDABLE SEAL**Product Data Sheet****One Component, Solvent Free Polyurethane Based Adhesive** **Description**

EXPANDABLE SEAL is a solvent free, one component, polyurethane adhesive, with a thixotropic structure, which makes the adhesive suitable for vertical application.

The adhesive cures through reaction with moisture from the substrate and forms a strong, durable, water-resistant connection. It is slightly expandable and, therefore, offers complete sealing and provides thermal insulating properties.

 **Recommended For**

Manufacture of sandwich elements made of:

- Wood
- Rigid foam (polyurethane, extruded or expanded polystyrene)
- Aluminium, steel
- Gypsum or cement board
- Plastic

 **Features & Benefits**

- Solvent less.
- High temperature resistance.
- Non-toxic.
- Thixotropic, ideal for vertical surfaces.

 **Application**

Pretreatment of the surface to be bonded. The substrates should be free of oil, grease and coarse dirt. Expandable seal is applied on one of the two surfaces and then the two elements are joined together. For some applications, it might be necessary to use a mechanical support until the adhesive develops its strength.

 **Shelf Life**

12 months minimum in the original packaging when stored in dry places and at temperatures of 5-25°C. Once opened, use as soon as possible.

 **Cleaning**

To clean tools use solvent-01. Cured adhesive can only be removed mechanically.

 **Packaging**

- 600cc sausages

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Technical Specifications

Property	Units	Method	Specification
Viscosity (BROOKFIELD)	cP	ASTM D2196-86, at 25°C	25,000 - 35,000
Density	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, at 20°C	0.5 - 0.6
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	>80
Tack free time, at 25°C & 55% RH	minutes	-	30
Solids	%	-	100

For more information on products and application methods
Please contact Alchimica Technical Service at info@alchimica.co.in

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Alchimica India Private Limited

No, 51, G Alwarthirunagar Annexe 1st Main Road
Valasarvakkam, Chennai - 600087.

Headquarters

7, Lampsakou St,
115 28 Athens, Greece.

R&D / Plant

13, Oryzomylon St,
122 44 Aegaleo, Greece.

