

## EXPANDABLE SEAL

### 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.

#### FEATURES & BENEFITS

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

#### RECOMMENDED FOR

Manufacture of sandwich elements made of:

- Wood
- Rigid foam (polyurethane, extruded or

expanded polystyrene)

- Aluminium, steel
- Gypsum or cement board
- Plastic

#### 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.

#### CLEANING

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

#### PACKAGING

600cc sausages

#### SHELF LIFE

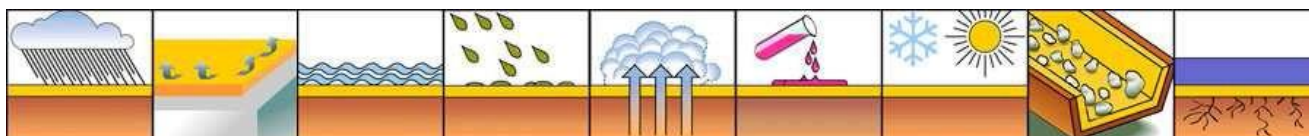
12 months minimum in the original packaging when stored in dry places and at temperatures of 5-25 °C. Once opened, use as soon as possible.

## EXPANDABLE SEAL

### TECHNICAL SPECIFICATIONS

PROPERTY	UNIT	METHOD	SPECIFICATION
-Viscosity (BROOKFIELD)	cP	ASTM D4287 at 25 <sup>o</sup> C	25,000-35,000
- Density	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811, at 20 <sup>o</sup> C	0.5-0.6
-Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	>80
-Tack free time, at 77deg F (25 <sup>o</sup> C) & 55% RH	min.	-	±30 min
-Solids	%	-	100

NONE OF OUR PUBLISHED INSTRUCTIONS AND SPECIFICATIONS, IN WRITING OR OTHERWISE, ARE BINDING EITHER IN GENERAL OR WITH RESPECT TO ANY THIRD PARTY RIGHTS, OR DO THEY RELIEVE INTERESTED PARTIES OF THEIR DUTY TO SUBJECT THE PRODUCT TO AN ADEQUATE EXAMINATION OF ITS SUITABILITY. IN NO EVENT WILL ALCHIMICA S.A. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE, WHATSOEVER, RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS. ALCHIMICA S.A. RESERVES THE RIGHT TO CHANGE AT ANY TIME THE PROPERTIES OF ITS PRODUCTS. PLEASE REFER TO THE CURRENT VERSION OF THE TECHNICAL DATA SHEET, AVAILABLE FROM OUR WEB SITE [WWW.ALCHIMICA.COM](http://WWW.ALCHIMICA.COM)



Certified quality, environmental and occupational health & safety management systems:  
ISO 9001/14001 & ISO 45001.

EXPANDABLE SEAL/EE/01-03-2016