

Technical data sheet

Polyurethane adhesive for building blocks Insola Brick & Stone, for professional use with a foam gun

Product description :

One-component polyurethane adhesive for bonding building blocks in load-bearing and non-load-bearing walls. Bonds well to a wide range of building materials, such as aerated concrete, calcium silicate, expanded clay concrete, ceramics, concrete, plaster, stone, metal and similar materials.

Base	Polyurethane
Curing	Atmospheric moisture-induced polymerisation
Density	34 ± 10%, kg/m ³
Skin formation time	7 min 30 s
Adjustment time	2 min
Time to a strong bond	25 min
Full cure	24 h
Compressive strength with aerated concrete	1.7 MPa
Modulus of elasticity with aerated concrete	400 MPa
Temperature resistance of cured foam	(-60 °C ... +110 °C)
Yield (*) (20°C/65% relative humidity)	55 linear metres

(*) Values may vary depending on environmental conditions, such as temperature, humidity, etc., and on the surfaces to be bonded.

Fields of application:

This polyurethane adhesive is used for bonding building blocks in load-bearing and non-load-bearing internal walls. Provides excellent adhesion to a wide range of building materials, such as aerated concrete, calcium silicate, expanded clay concrete, ceramics, concrete, plaster, stone, metal and similar materials. Provides a strong bond, ensures low adhesive consumption and helps prevent thermal bridges.

ADVANTAGES:

- Strong bond between blocks in just 25 minutes
- Suitable for horizontal and vertical application;
- Good bond strength;
- Precise and easy dispensing;
- Low adhesive consumption
- Low thermal conductivity of bonded joints;
- Bonds virtually all types of building blocks
- Faster and easier application compared with mortar
- Dust-free application
- Helps prevent thermal bridges

Application Conditions:

Application temperature: -5 °C to +30 °C; optimum +20°C. Can temperature during application: +10 °C to +25 °C; best results are achieved at a can temperature of +20 °C. Surfaces must be free from dust, grease and loose particles. The cured adhesive surface can be painted with water-based paint, skim-coated or plastered.

Application instructions:

The surface must be clean. Remove dust and grease from the surfaces. Wear protective gloves during application. Attach the gun while holding the can with the valve pointing upwards. Once the gun is attached, shake the can thoroughly (approximately 30 seconds). At low ambient humidity (below 50% relative humidity), the surface must be moistened, as the foam expands in response to moisture. Moistening the surface improves the results. The first course of blocks must be levelled with mortar. Apply 2 cm wide beads of adhesive to the block. Apply the adhesive to both vertical and horizontal surfaces. Apply two beads to each block, 1-2 cm from the edges. Adjustment time: 2 minutes. A strong bond is achieved after just 25 minutes; full cure is reached in 24 hours. Uncured foam residues are best removed with Insola Foam Cleaner. Remove protruding cured foam mechanically. Protect the cured adhesive from UV radiation.

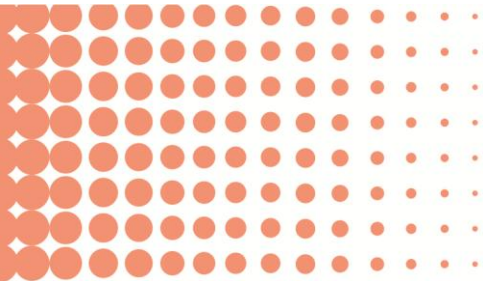
Colour:

Light blue

Packaging:

750 ml aerosol can. Quantity per box: 12 pcs

Shelf life in unopened packaging: 18 months.



Storage:

Store and transport the cans in an upright position. Store in a cool, dry place at temperatures between +5 °C and +35 °C. Do not store aerosol cans at temperatures above +50 °C or in direct sunlight.

Safety precautions:

This product is flammable. Protect from overheating and keep away from sources of ignition. Avoid direct sunlight. Do not smoke when using the product! May cause allergic reactions by inhalation or skin contact. Ensure adequate ventilation. Wear protective goggles and gloves. Keep out of reach of children. Cured foam can be touched without any risk to health.

Detailed safety information is provided in the Safety Data Sheet (SDS).