



8021 Kalepolymas

Description

One-component flexible polyurethane sealant for expansion joints.

Fields of Application

- Sealing of expansion joints in building materials.
- Vertical and horizontal sealing of prefabricated construction materials.
- Sealing floor joints in ceramic and porcelain floor tiles in areas subject to heavy traffic.
- Flexible sealing around pipelines, outlets, and drains made of metal, wood, PVC.
- Sealing of expansion joints of internal and external places subject to movement up to 25% in supermarkets, car parks, shopping centers, warehouses.

Properties

- Good adhesion to almost all materials that are commonly used in buildings.
- High mechanical strength.
- Abrasion resistant.
- Easy to apply on both horizontal and vertical surfaces.
- Elastic

Preparation of Substrates

- All substrates must be dry, solid and sound, free of dust and crumbling parts, oils, grease, wax, old paint and rust.
- In order not to dirty the stone tiles and slabs, it is recommended to use masking tape on the sides of the joints before applying KalePolymas.

Application

- Cut the tip of the cartridge at 45° to produce a hole corresponding to the size of the joint and screw on the nozzle.
- Insert the cartridge or sausage into the gun and extrude Kalepolymas.
- Smooth the surface of Kalepolymas with soapy water before skin formation.
- Use cord fillers appropriate to the width of the joint. Width of the joint should be 5 - 40 mm. and the depth 5 - 20 mm.
- The thickness of Kalepolymas applied should be lower than or equal to the width of the joint.

Post-Application Protection & Suggestions

- Remove the masking tape and clean the uncured KalePolymas from tools and contaminated surfaces with white spirit. Cured KalePolymas can only be removed mechanically.
- Protect the surface from washouts at least during the first 24 hours after application.
- UV lights can change the color of the product; However, the change in color does not affect the technical performance of the product.
- Surface and ambient temperature must be between +5°C and +35°C.
- Avoid application in extremely hot and/or damp weather.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.
- Use appropriate safety equipments (mask, gloves, glasses), protect your eyes/face and avoid direct contact with eyes and skin. For further information refer to the safety data sheet.

Storage

- Should be kept dry and cool at between +5°C and +25°C in damp free conditions avoiding direct sunlight.
 - Should be protected from water, frost and adverse weather conditions.
 - Maximum 3 boxes should be stacked on top of each other.
- Shelf life is maximum 12 months under above mentioned storage conditions

Packaging

- 310 ml. Cartridge
- 600 ml. Sausage

Quality Certificates



Conforms EN 15651-1: F-EXT-INT-CC

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Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	Grey or White paste
Shelf Life	12 months in original sealed cartridges and sausage.

Application Data

Application Temperature Range	(+5°C) - (+40°C)
Curing Time	2.5 mm. / 24 hours
Tack Free Time	60 -90 minutes
Loss of Volume	≤10 %

Performance Data

Hardness Shore A (DIN 53505)	30±5
Modules at 100% Elongation (EN ISO 8339)	≤ 0.40 N/mm ²
Elongation at Breaking Point (ISO 8339)	> 600%
Elastic Recovery (ISO 7389)	≥ 70%
Movement Capability (EN 11600)	≤ 25%
Resistance to Flow (EN ISO 7390)	≤ 3 mm
Service Temperature Range (after final cure)	(- 30 °C) - (+ 80 °C)

Consumption

Consumption Table		Theoric length of the joint to be filled by 310 ml. cartridge / 600 ml. sausage packing			
Joint Width (mm.)		5	10	20	30
Joint Depth (mm.)	5	-	6.2 / 12	-	-
	10	6.2 / 12	3.1 / 6	1.6/3	-
	15	-	2.1 / 4	1/2	0.7 / 1.3
	20	-	-	0.8/1.5	0.5 / 1