

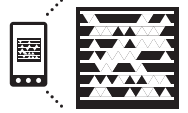


Sealants and Foams

- KALEMASTİK
- KALESİLİKON
- KALEPOLYMAS
- TECHNOBOND
- KALEFOAM

8001 KALEMASTİK

Acrylic Sealant



Description

Paintable elastic acrylic sealant.

Fields of Application

- Fixing and sealing of joints and cracks in construction elements.
- Sealing aluminium, wood and PVC frames.

Properties

- Good adhesion to many surfaces used in building.
- Adheres to absorbent and damp surfaces.
- Waterproof.
- Elastic.
- Paintable after curing.

Application

- 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 KALEMASTİK.

— Cut the tip of the cartridge and screw on the nozzle which should be cut at 45° to produce a hole corresponding to the size of the joint.

— Insert the cartridge into the gun and extrude KALEMASTİK.

— Smooth the surface of KALEMASTİK with water before skin formation.

— The thickness of KALEMASTİK applied should be lower than or equal to the width of the joint. Make the necessary corrections within 15 minutes.

— Remove the masking tape and clean the uncured KALEMASTİK from tools and contaminated surfaces with water. Cured KALEMASTİK can be cleaned with mechanic action together with water.

— Protect the surface from washouts at least during the first 24 hours after application.

— Do not use KALEMASTİK in sealing cracks larger than 8 mm Use KALEFOAM.

— Do not use KALEMASTİK for joints subject to foot traffic or joints with a movement greater than 10%

— Do not use KALEMASTİK on non- absorbent surfaces, and on surfaces immersed in water.

Storage

— Store in cool and dry medium. Protect from frost.

Packaging

— 310 ml cartridge

Technical Properties

(at 23° C and 50% RH)

General Data

Appearance	White paste
Density	1.7 gr/cm ³
Viscosity	510000 cp (25° C, 4/6, B.field LVDV-11+)
Shelf Life	12 months in original sealed packaging

Application Data

Application Temperature Range	(+5° C) - (+40° C)
Tack Free Time	30 minutes
Skin Formation Time	10 - 15 minutes at room temperature
Curing Rate	3 - 5 mm / 1 day

Performance Data

Hardness Shore A (DIN 53505)	35 - 40
Service Temperature Range (after final cure)	(-10° C) - (+80° C)

8011-8015 KALESİLİKON

Silicone Sealant



Description

Moisture curing general purpose silicone sealant

Fields of Application

- Fixing sealing and filling of joints of sanitary ware like baths, sinks, showers, kitchen, furniture where resistance to fungal growth is necessary.
- Fixing and sealing of construction elements made of glass, metal and PVC.

Properties

- Perfect adhesion to many surfaces used in building (glass, ceramic, marble, aluminium, concrete, stainless steel, PVC) without using primer.
- Elastic even at low temperatures as -30 °C.
- Resistant many years of exposure to severe weather conditions, industrial environments and thermal gradients.
- Resistant to UV rays.
- White, transparent and 4 different colours.

Application

- 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 KALESİLİKON.
- Cut the tip of the cartridge and screw on the nozzle which should be cut at 45° to produce a hole corresponding to the size of the joint.
- Insert the cartridge into the gun and extrude KALESİLİKON.
- Smooth the surface of KALESİLİKON with soapy water before skin formation.
- The thickness of KALESİLİKON applied should be lower than or equal to the width of the joint.
- Remove the masking tape and clean the uncured KALESİLİKON from tools and contaminated surfaces with common solvents like alcohol, etil acetate, toluene etc.
- Cured silicone can only be removed mechanically.

- Protect the surface from washouts at least during the first 24 hours after application.

Safety Advices

- KALESİLİKON can not be used for aquarium
- Not over paintable.
- Irritant for eyes, respiratory system and skin. In case of any contact with eyes, wash immediately with water and consult a doctor.
- For further information refer to safety data sheet.

Storage

- Store at a temperature between (-5° C) to (+50° C) in original sealed cartridge.

Packaging

- 280 ml or 310 ml cartridge (white and transparent)
- 310 ml cartridge (grey, beige, brown, black)



Technical Properties

(at 23° C and 50% RH)

General Data

Appearance	White, transparent, grey, beige, brown, black paste
Density	0.97 gr/cm ³
Shelf Life	12 months in original sealed packaging.

Application Data

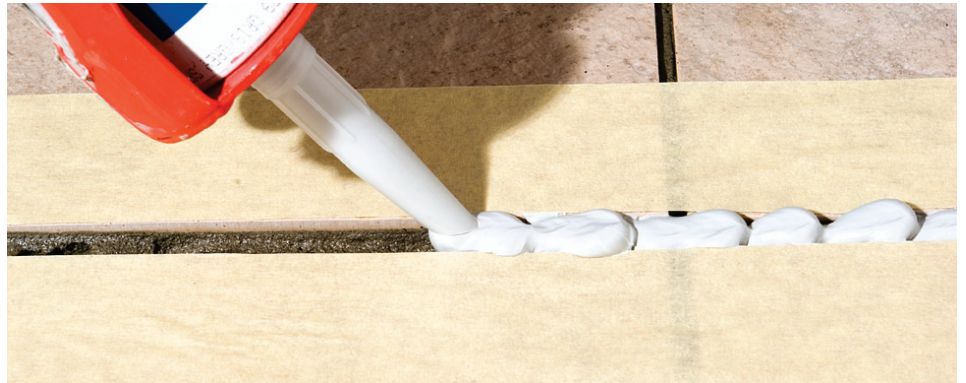
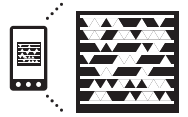
Application Temperature Range	(+5° C) - (+40° C)
Skin Formation Time	8 minutes
Tack Free Time	20 minutes
Curing Rate	3 mm / 1st day, 10 mm / 7th day

Performance Data

Hardness Shore A (DIN 53505)	15
Modulus at 100% Elongation (ISO 8339)	0.36 N/mm ²
Tensile Strength at Breaking Point (ISO 8339)	0.6 N/mm ²
Elongation at Breaking Point (ISO 8339)	~200 %
Joint Movement Capability (ISO 11600)	15%
Resistance to Flow (ISO 7390)	≤ 3 mm
Service Temperature Range (after final cure)	(-40° C) - (+100° C)

8021 KALEPOLYMAS

Flexible Polyurethane Sealant



Description

One-component polyurethane sealant for filling joints.

Fields of Application

- Sealing expansion joints of building materials.
- Vertical and horizontal sealing of prefabric construction materials
- Sealing floor joints in ceramic and porcelain floor tiles in areas subject to heavy traffic such as supermarkets,
- Flexible sealing around pipelines, outlets, 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 centres, warehouses.

Properties

- Good adhesion to almost all materials that are commonly used in building.
- High mechanical strength.
- Abrasion resistant.
- Easy to apply on both horizontal and vertical surfaces.
- Elastic.
- Remain unchanged even after many years of industrial pollution, sudden temperature changes and immersion in water.

Application

- 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.
- Cut the tip of the cartridge and screw on the nozzle which should be cut at 45° to produce a hole corresponding to the size of the joint.
- 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 width of 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.
- Remove the masking tape and clean the uncured KALEPOLYMAS from tools and contaminated surfaces

es 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 mechanical properties are not effected.

Safety Advices

- For further information refer to safety data sheet.

Storage

- Store temperatures from (+5° C) - (+25° C) in original sealed packaging.

Packaging

- 310 ml cartridges.
- 600 ml sausages.

Consumption Table		Theoric length of 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

Technical Properties

(at 23° C and 50% RH)

General Data

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

Application Data

Application Temperature Range	(+5° C) - (+40° C)
Absolute Curing	2.5 mm / 24 hours
Open Time	75 - 90 minutes

Performance Data

Hardness Shore A (DIN 53505)	25
Modulus at 100% Elongation (ISO 8339)	0.25 N/mm ²
Elongation at Breaking Point (ISO 8339)	250%
Elastic Recovery (ISO 7389)	> 70%
Movement Capability (ISO 11600)	25%
Resistance to Flow (ISO 7390)	< 3 mm
Service Temperature Range (after final cure)	(-30° C) - (+80° C)

1401 TECHNOBOND

Polyurethane Adhesive and Sealant



Description

— One component, multi-purpose, elastic polyurethane adhesive and sealant.

Fields of Application

— Horizontal and vertical bonding of various construction materials such as ceramic, wood, gypsum board, steel, aluminium, fibre cement on substrates such as concrete, ceramic, aluminium, wood.
— Bonding of prefabric construction materials
— Bonding of facade panels like ceramic, granite ceramic, Kalesinterflex to metal construction.
— Sealing of expansion joints of internal and external places subject to movement up to 20% in supermarkets, car parks, shopping centres and warehouses.

Properties

— High early bonding strength (no sagging after application).
— High adhesion to various substrates.
— High elasticity.
— Long lasting and resistant to severe weather conditions.
— Non-corrosive.
— Resistant to chemicals like water, cleaning agents, small amount of oils and hydrocarbons, diluted acids and bases.

Application

— All substrates must be clean, dry, solid and sound, free of dust and oil etc. which may prevent proper adhesion.
— Cementitious substrates must be cured.
— Apply the product as stripes or dots.
— Heavy materials exceeding 8 kg/m² must be supported for at least 15 hours.
— If the application is interrupted, keep the tip of the packing closed.
— Clean equipment with a solvent before drying. Cured product can be removed mechanically.

Safety Advices

— Contains polyisocyanates.
— Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with soap and plenty of water and seek medical advice.
— Wear protective cloths, gloves and goggles.
— Do not inhale the vapor. Ventilate the area during the application.

Storage

— Store temperatures from (+5° C) - (+30° C) in a well ventilated room.

Packaging

— 310 ml cartridge
— 600 ml sausage

Technical Properties

(at 23° C and 50% RH)

General Data

Appearance Grey colored polyurethane adhesive and sealant
Shelf Life 12 months in original sealed cartridges and sausages

Application Data

Application Temperature Range (+5° C) - (+40° C)

Deformate Data

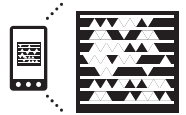
Curing Time 3 mm / 24 hours
Skin Formation Time 60 minutes

Performance Data

Hardness, Shore A (DIN 53505) 35 - 40
Elasticity Module (% 100) (ISO 8339) 0.40 N/mm²
Tensile Strength (ISO 8339) 0.60 N/mm²
Elongation at Breaking Point (ISO 8339) 250%
Elastic Recovery (ISO 7389) > 70%
Service Temperature Range (after final cure) (-30° C) - (+80° C)

8101 KALEFOAM

Polyurethane Foam



Description

Single component, moisture curing multi purpose polyurethane foam that cures to a semi-rigid structure within 2 - 4 hours.

Fields of Application

- Fixing door and window frames made of wood, metal and other materials.
- Fixing and isolating electrical installations and water pipes.
- Filling and insulating large cracks, jointing and holes.

Properties

- Bonds all types of building materials except polyethylene, polypropylene, silicone and teflon.
- Insulates against heat sound and moisture.
- Easy to cut, sand, paint and plaster when cured.
- High foam stability, does not shrink, sag, crumble.
- Resistant to damp and atmospheric conditions.
- CFC free, ozone friendly.
- Not toxic when cured.

Application

- 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 place where KALEFOAM is applied, it is recommended to use masking tape on the sides.
- Dampen the surface in order to let KALEFOAM expand and cure ideally.
- Shake the tube strongly at least 20-30 times to get a good foam structure.
- Screw the trigger to the tip of tube.
- Turn the tube upside down and squeeze the trigger making 45° angle to the place where KALEFOAM is applied. Adjust the flow rate of KALEFOAM by changing the pressure applied on the trigger.
- Adjust the quantity of the KALEFOAM extruded considering that it expands 2.5 times.
- Dampen the first layer before applying the next, when it is required to apply several coats.
- Remove the masking tape and clean the uncured KALEFOAM from tools and contaminated surfaces with acetone.
- Do not move supports if any until foam cures completely.

Safety Advices

- Flammable. Smoking should be avoided during application.
- Tube is filled under pressure so store below 50° C and do not punch or expose to flame when it is emptied.
- Keep away from children.
- Avoid skin and eye contact. In case of any contact with eyes, wash immediately with water and consult a doctor.
- Use protective clothing, gloves and goggles.
- Do not breathe vapour. Must be applied in well ventilated environments.

Storage

- Store in cool and dry medium, standing vertically at 20° C.

Packaging

- 750 ml tubes

Technical Properties

(at 23° C and 50% RH)

General Data

Composition	Polyurethane foam.
Appearance	Yellow foam
Shelf Life	12 months in original sealed packaging

Application Data

Application Temperature Range	(+5° C) - (+25° C)
Free Rise Density	~ 25 kg/m ³
Tack Free Time	~ 10 minutes
Ready to Cutting	~ 60 minutes (20mm thickness)

Performance Data

Thermal conductivity (DIN 53455)	0.04 W/mK
Tensile Strength	~18 N/cm ²
Shear Strength	~ 8 N/cm ²
Compressive Strength	~ 20 N/cm ²
Flexural Strength	~ 5 N/cm ²
Yield	~ 45 lt
Water Absorption	0.3 % (by volume)
Dimensional Stability	≤ 10 %
Service Temperature Range (after final cure)	(-40° C) - (+100° C)



