



Description

Single component, moisture curing multipurpose 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.

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 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.

Application

- Shake the tube strongly at least 20-30 times to get a good foam structure.
- Screw the trigger to the tip of the 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.

Post-Application Protection & Suggestions

- 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.
- Surface and ambient temperature between +5°C and +25°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.
- Do not breathe vapour. Must be applied in well ventilated environments.
- Use protective clothing, gloves and goggles.
- 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. For further information refer to the safety data sheet.

Storage

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

Packaging

- 750 ml. tubes



8101 KaleFoam

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
Ready to Cutting	< 30 minutes (20°C)
Tack Free Time	< 20 minutes

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
Water Absorption	0.3 % (by volume)
Dimensional Stability	≤ 10 %
Consumption	Can be controlled with pressure and angle of valve.
Yield	~45 lt.
Service Temperature Range (after final cure)	(-40° C) - (+100° C)