

Sealants / Polyurethane Foams

PU 960

Multi-Purpose Polyurethane Foam

DESCRIPTION

Single component, multi-purpose **polyurethane** foam which is cured by expanding with the moisture in the air.

APPLICATION AREAS

- Inner and outer expansion joints of buildings,
- Terrace dilatations,
- Installation and insulation of frames of doors and Windows,
- Insulation of hot and cold water pipes, electrical installations,
- Filling gaps, wide cracks and holes.

TECHNICAL PROPERTIES

Appearance	Light yellow – white colored foam
Density	25 ± 3 g/cm ³ (ASTM D1622)
Surface Dry Time	7 – 12 minutes (ASTM C1620) (1 cm width)
Cutting Time	35 – 45 minutes (ASTM C1620) (1 cm width)
Fire Class (Cured Foam)	B3 (DIN 4102)
Expansion Ratio	150% - 200%
Compressive Strength	3 N/mm ² (DIN 53421)
Yield	35 – 40 L/1000 ml (ASTM C 1536)
Thermal Conductivity	0.030 W/mK (20°C) (DIN 52612)
Application Temperature	Between +5°C and +30°C
Service Temperature	Between -40°C and +80°C

ADVANTAGES

- Bonds perfectly on all types (except PE, PP, teflon) of surfaces.
- Has high thermal and acoustic insulation property.
- Resistant to all kinds of weather conditions and vapor.
- Water impermeable, mould resistant and overpaintable.
- Expands up to 40 liters depending on moisture and temperature.
- Does not contain propellant gases harmful to ozone layer.

CONSUMPTION

Varies depending on the application area. Consumption can be controlled by the angle of the spray and the applied pressure.

PACKAGING

750 ml (600 g) and 750 ml (850 g) pressurized tin cans

APPLICATION

PREPARATION OF THE SURFACE

- The surface must be clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.
- The surface can be slightly moistened before application. This ensures optimum hardening of the foam and prevents the formation of secondary foam later on.
- Cover the surfaces that need to be protected with tape.

APPLICATION

- Shake the tube at least 20 – 30 times before application. Attach the pipette and apply with the tube upside down.
- Pay attention that the foam will expand during curing and do not squeeze more than necessary. Clean the foam spilled around with a suitable foam cleaner or acetone. After the foam hardens, it is only possible to clean mechanically. Remove the masking tape after application.

CAUTION

- Avoid application below +5°C and above +30°C.
- For optimal results, keep it at room temperature for at least 12 hours before application or in warm water (maximum +40°C) for 20 minutes. Ideal box temperature is +20°C.
- The tube is under pressure and should not be exposed to direct sunlight or temperatures above +50°C.

SHELF LIFE

Expires in 15 months in room temperature. This period may be shortened if stored below +5°C or above +30°C. Keep upright during storage and transportation.

HEALTH AND SAFETY

Contains diphenylmethane -4,4 diisocyanate. As with all chemical products, avoid contact with food, skin, eyes and mouth during usage and storage. Use work wears, protective gloves and goggles according to the work place health regulations. If swallowed by accident, consult a doctor. Swill in case of contact with skin. Inhaling can damage the respiratory system. Use only in areas ventilated adequately. Keep away from ignition sources and electrical equipment in operation. Keep out of reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.