

REFORAC PU FOAM

TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION & USES

B3 gun grade PU-foam is a one component isolation and construction polyurethane foam for industrial and building applications. The foam has an excellent dimension stability. The foam seals and fills joints, holes and gaps and cures in response to humidity. The use of the gun makes it easier to adjust the foam extrusion. Use the gun Reforac supplies.

2. GENERAL DATA & CHEMICAL PROPERTIES

PU-Foams of Reforac are of professional quality and are 100% FCKW-, PCB-, and formaldehyde-free. The foams have thermal and acoustical isolation properties and can be used in many applications, such as installing windows and doors, insulation and fixation of tubes, installing roof tiles, filling cavities and sealing joints. Totally cured, PU-foams are chemically inert, resist temperatures from -50°C to +90°C (for short periods up to +140°C), are not UV-resistant (unless painted, covered or coated), have no nutritional value for insects or rodents and do not support growth of mold or fungus.

Furthermore, they have excellent filling and adhesion properties to form seamless seals between almost all building materials like brick, concrete, wood, metal and several plastics like Styropor, PU rigid foam, polyester and hard PVC. PU-foams do, however, not bond to Silicon, Teflon, Polyethylene and greasy or oily surfaces.

TYPICAL PROPERTIES:

- High yield
- Thermal and acoustical insulation
- Requires less cutting and cleaning needs
- HFC-free propellant (no contribution to global warming)
- Fire class B3 according to DIN 4102-part 1

Shelf life	12 months
Tack free time	10 months
Cutting time (30 mm bead)	15-30 minutes
Completely cured in joint (+23 °C)	Max 12 hours
Completely cured in joint (+5 °C)	Max 18 hours
Density	20 – 26 kg/m ³
Fire class of cured foam	B3 (DIN 4102-1)
Flash point of cured foam	400 °C
Tensile strength	9 N/cm ² (BS 5241)
Compression strength at 10%	4 N/cm ² (DIN 53421)
Temperature resistance of cured foam	long term: - 40 °C until + 100 °C

*The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified.

APPLICATION TIPS:

- Before use, grease the adaptor of the gun with Vaseline spray or Teflon spray. Attach the can onto the gun. By turning the screw on the rear of the gun, the extrusion rate can be adjusted.
- Shake the can vigorously before each use.
- The surface, where the foam is used, must be free from oil, fat and dust.
- Moisten the underground. By pulling the trigger, the foam can be dispensed. When the system is not in use, turn the screw on the rear of the gun clockwise until the trigger cannot be activated anymore. Always store the gun with a can of foam attached to it.
- When the can has been emptied, remove it carefully from the gun while pulling the trigger to press out gas which is left.
- Clean with PU-cleaner if necessary. Never leave the PU- cleaner on the gun longer than one hour.

PACKAGING:

- Supplied in 750ml canister

SHELF-LIFE:

- It has a shelf life of 12 months stored in a dry place at or below 25°C in its original container.
- Aerosol can must not be stored at temperatures over +50°C and in direct sun. Store upright or ask for safety valve.

Material Safety Data Sheet available on request.

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