Technical data sheet

LRE StretchFoam

FLEXIBLE ISOLATION AND CONSTRUCTION FOAM

LRE StretchFoam is a flexible 1-component polyurethane foam without CFC, HCFC and HFC, that cures by absorbing moisture from the air or the environment. Suitable for insulating, sealing and filling connection joints and mounting spaces between window frames, door frames, prefab elements, penetrations, dilations, seams and joints. The product is perfectly applicable as a basic backing for the products Liquid Rubber HBS200 and Liquid Rubber JointFiller.

APPLICATION

Before application, first clean the surfaces of loose components and make dust, dirt and grease free. If necessary, for optimal adhesion, slightly moisten the surface with the help of a plant sprayer.

Shake container well before use and turn the valve and screw ring down on the gun. Always leave the container on the gun during storage to keep the system full and closed. For larger joints / seams, apply the PUR foam in several layers at intervals of at least approx. 15-30 minutes. This drying time strongly depends on the relative humidity and temperature of the immediate environment. Cut off excess foam with a sharp knife after complete curing. Fully loadable after 24 hours and overcoatable with Liquid Rubber HBS200 or Liquid Rubber JointFiller.

LRE StretchFoam is a tested system in combination with Liquid Rubber HBS200 and Liquid Rubber JointFiller. **LRE StretchFoam** can be used as a base backing before applying Liquid Rubber HBS200 and Liquid Rubber JointFiller. The products are fully compatible and provide durable air barrier or waterproofing. The combination of both products has been extensively tested for adhesion, flexibility, durability, waterproofing and air barrier.

LIMITATIONS

Not suitable for underwater applications and for filling large closed spaces / holes, where there is no sufficient humidity. Not suitable for PE, PP, PC, PMMA, PTFE, silicone, soft plastics, neoprene and bituminous surfaces. Not UV resistant. Cover the surfaces to be protected with protective film against polyurethane foam residues. We recommend testing adhesion and material compatibility beforehand.

WARNING

Avoid prolonged skin contact. If uncured material gets into the eyes, rinse thoroughly with plenty of water and seek medical attention. Wear safety glasses, gloves and suitable work clothes. Only process in well-ventilated areas. Do not smoke and / or process in the vicinity of open fire. Store **LRE StretchFoam** in a safe place out of the reach of children. Product safety data sheet is available on request.

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PHYSICAL PROPERTIES

Property	Typical results
Color	Crème
Material type	Polyurethane
Components	1-component
Curing	Moisture curing

OUTPUT

Property	Typical results	
Foam output	15m (in joint (3 x 5 cm)	WGM107
Output per container	45 liters of free foam	FEICA TM 1003

PERFORMANCE

Property	Typical result	
Density	20-25 kg/m^3	
Skin formation	8 – 12 min, +23°C, 50% RV	FEICA TM 1014
Cuttable	20 – 40 min, +23°C, 50% RV	FEICA TM 1005
Full load	< 8 uur (joint 8 x 5 cm)	
Tensile strength	>55 kPa	FEICA TM 1018
Shear strength	>30 kPa	FEICA TM 1012
Compression resistance 10%	9 kPa	FEICA TM 1011
Elongation at break (Dry)	27% (dry surfaces)	FEICA TM 1018
Elongation at break (Damp)	20% (damp surfaces)	FEICA TM 1018
Distortion (MTV)	25%	FEICA TM 1013
Acoustic insulation	60 dB- RST, W (EN ISO 10140)	EN ISO 140-1
Thermal conductivity coefficient	30-35 W/m2K (DIN 52612)	FEICA TM1020
Fire class	B2	DIN 4102-1
Temperature resistance	-50°C tot +90°C (Cured)	
Application temperature	5°C tot +40°C	
Storage max. temperature	+5°C tot +25°C	
Curing force	<0,7 kPa (damp surfaces)	FEICA TM 1009
Expansion	<60%	FEICA TM 1010
Distortion	<1%	FEICA TM 1004
Compressive strength	>3 kPa (damp surfaces)	FEICA TM 1011
Water vapor permeability	0,086 mg/(m·h·Pa)	EN 12086
Propellant	(H) CFC free	

SHELF LIFE

Store in unopened original packaging, cool, dry and can upright, between + 5°C and + 25°C, shelf life for a maximum of 15 months after production date.