

Byggeskum isocyanatfri

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Technical data

Basis	Silane terminated SMX polymer
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (FEICA TM 1014)	11 min
Cutting Time (FEICA TM 1005)	40 min
Free foamed density (FEICA TM 1019)	Ca. 22 kg/m ³
Box Yield (FEICA TM 1003)	500 ml yields ca. 14 l of foam
Joint Yield (FEICA TM 1002)	500 ml yields ca. 11 m of foam
Expansion after curing (FEICA TM 1004)	< 13 %
Water absorption (EN1609)	Ca. 0,14 kg/m ²
Compressive strength (FEICA TM 1011)	Ca. 7 kPa
Shear strength (FEICA TM 1012)	Ca. 25 kPa
Tensile Strength (FEICA TM 1018)	Ca. 33 kPa
Elongation at Fmax (FEICA TM 1018)	Ca. 56,5 %
Temperature resistance**	-40 °C till +90 °C (cured)

** This information relates to fully cured product.

Ljungdahl A/S uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers. Further information at: www.feica.eu

Product description

Byggeskum isocyanatfri is filled with HCFC- and CFC-free propellants which are not harmful for the ozon layer. Byggeskum isocyanatfri is ready to use one component self-expanding and 100 % isocyanate free foam. The canister is provided with a thread so it can be used on a gun.

- Improving thermal isolation in cooling systems.

Packaging

Colour: white

Packaging: 500 ml aerosol (net)

Properties

- Excellent stability (no shrinkage or post-expansion)
- High filling capacity
- Good adhesion on all surfaces (except PE, PP and PTFE).
- High insulation value, thermal and acoustic
- Very good bonding properties.
- Not UV-resistant

Shelf life

24 months unopened and stored in dry and cool conditions (Between 5 and 25 °C), Upright storage is recommended.

Applications

- Installing of window and door frames.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Ljungdahl reserves the right to modify products without prior notice.

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Application method

Shake the can at least for 20 seconds. Screw the can onto the gun. Substrate needs to be free of dust and grease. Moisten to achieve a good final result in terms of curing and cellular structure. Fill the joint for 1/2 as the foam will expand further during curing. Shake regularly during application. If you need to work in layers make sure to moisten the foam between each layer. Immediately remove spilled foam with a foam cleaner, cured foam must be removed mechanically.

Can temperature: +10 °C - 30 °C

Ambient temperature: +5 °C - 30 °C.

Surface temperature: +5 °C - 35 °C

Health- and Safety Recommendations

Take the usual labour hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away. Consult label and material safety data sheet for more information. Use only in well ventilated areas.

Remarks

- Moisten surfaces with a water sprayer prior to application. If you have to work in layers repeat moistening after each layer. For not common surfaces we recommend an adhesion test.

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