



BOSS® 333 POLYURETHANE EXPANDING FOAM

TECHNICAL DATA

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing System	Moisture curing
Skin Formation* (FEICA TM 1014)	8 min
Cutting Time* (FEICATM 1005)	30 min
Free foamed density (FEICATM 1019)	Ca. 29 kg/m³
Sound insulation (EN ISO 717-1)	58 dB
Thermal conductivity (FEICA TM 1020)	29.7 mW/m.K
Box Yield (FEICA TM 1003)	750 ml yields ca. 29 l of foam
Joint Yield (FEICA TM 1002)	750 ml yields ca. 20 m of foam
Shrinkage after curing (FEICA TM 1004)	< 2 %
Expansion after curing (FEICA TM 1004)	< 2 %
Expansion during curing (FEICA TM 1010)	Ca. 141 %
Percentage closed cells (ISO4590)	Ca. 7 %
Water absorption (EN1609)	Ca. 0.23 kg/m²
Reaction to fire classification (EN 13501-1)	No fire classification (F)
Compressive strength (FEICA TM 1011)	Ca. 21 kPa
Shear strength (FEICA TM 1012)	Ca. 52 kPa
Tensile Strength (FEICA TM 1018)	Ca. 77 kPa
Elongation at Fmax(FEICATM 1018)	Ca. 14.7 %
Temperature resistance**	-40 °C till +90 °C (cured)

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product.

Description

BOSS® 333 is a one-component, self-expanding, ready-to-use PU-foam, which contains HCFC-free and CFC-free propellants which are not harmful for the ozone layer.

Properties

- Excellent stability (no shrinkage or post expansion)
- High filling capacity
- Good adhesion on all surfaces (except PE, PP & PTFE)
- High insulation value: thermal and acoustic

Applications

- Filling of cavities
- Sealing of all openings in roof constructions
- Application of an acoustic baffle
- Improving thermal isolation in cooling systems
- All foam applications in static joints
- Effectively seals formwork tie rod holes in concrete structures, providing thermal and acoustic insulation while preventing water ingress

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- Ideal for sealing gaps between parapet walls and roof slabs or other adjoining structures

Packaging

Colour: Champagne

Packaging: 750 ml aerosol (net)

Shelf life

12 months: unopened and stored in dry and cool conditions (between 5°C and 25°C). Upright storage is recommended.

Application method

Shake the aerosol can for at least 20 seconds. Put the adapter on the valve. Moisten surfaces with a water sprayer prior to application. For non-conventional substrates, a preliminary adhesion test is recommended. Remove pressure from the applicator to stop. Fill holes and cavities for one-third of the space as the foam will expand. Repeat shaking regularly during application. If you have to work in layers, repeat moistening after each layer. Fresh foam can be removed using BOSS® C-33 Foam Cleaner or acetone. Cured foam can only be removed mechanically or with PU-Remover.

Can temperature: +5 °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. When vaporizing (for example with a compressor), additional security measures will be required. 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 uncommon surfaces, we recommend an adhesion test.

Environmental clauses

Leed regulation:

BOSS® 333 conforms to the requirements of LEED. Low -Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low- Emitting Materials - Adhesives & Sealants concerning the VOC-content.

Disclaimer: This technical data sheet replaces all previous versions. The directives contained within this documentation are the result of our experiments and experience, and have been submitted in good faith. Because of the diversity of the materials and substrates, in addition to the great number of possible applications that go beyond our control, we cannot accept any responsibility for the results obtained. Further, since the design, quality of the substrate, and processing conditions are beyond our control, no liability under this publication will be accepted. In every case, it's therefore recommended to carry out preliminary experiments. BOSS reserves the right to modify its products, without prior notice.

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