

**BOSS® UNIVERSAL FOAM****TECHNICAL DATA**

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing System	Moisture curing
Skin Formation*	10 min
Cutting Time* (EN 17333-3)	35 min
Free foamed density (EN 17333-1)	Ca. 29 kg/m³
Thermal conductivity (λ) (EN 12667)	0.035 W/m.K
Box Yield (EN 17333-1)	750 ml yields ca. 28 l of foam
Joint Yield (EN 17333-1)	750 ml yields ca. 20 m of foam
Shrinkage after curing (EN 17333-2)	< 1 %
Expansion after curing (EN 17333-2)	None
Expansion during curing (EN 17333-2)	Ca. 167 %
Percentage closed cells (ISO4590)	Ca. 7 %
Reaction to fire classification (EN 13501-1)	No fire classification (F)
Compressive strength (EN 17333-4)	Ca. 22 kPa
Shear strength (EN 17333-4)	Ca. 39 kPa
Tensile Strength (EN 17333-4)	Ca. 80 kPa
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 products.

Description

BOSS® UNIVERSAL FOAM 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 and PTFE)
- High thermal and acoustic insulation value
- Very good bonding properties
- Not UV-resistant
- Freon free (not harmful to ozone layer and greenhouse effect)

Applications

- Filling of cavities
- Sealing of all openings in roof constructions
- Application of acoustic baffle
- Improving thermal isolation in cooling systems
- All foam applications in static joints

Storage & Shelf life

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

Packaging

Colour: Champagne

Packaging: 750 ml aerosol (net)



BOSS® UNIVERSAL FOAM

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 1/3 its capacity, 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.
- Not UV-resistant, cured polyurethane foam must be protected against UV exposure by overpainting, sealing with sealants (e.g. silicones, polyurethane, acrylic or hybrid polymer) or covering.

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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