

BOSS® 813+ FR FOAM

TECHNICAL DATA

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing System	Moisture curing
Skin Formation* (20°C / 65% R.H.)	9.5 min
Cutting Time* (FEICA TM 1005)	50 min
Density**	Ca. 40 kg/m ³
Thermal conductivity (EN 12667)	0.033 W/m.K
Box Yield (FEICA TM 1003)	750 ml yields ca. 34 l of foam
Joint Yield (FEICA TM 1002)	750 ml yields ca. 18 m of foam
Shrinkage after curing (FEICA TM 1004)	< 1 %
Expansion after curing (FEICA TM 1004)	< 1 %
Compressive strength (FEICA TM 1011)	Ca. 70 kPa
Shear strength (FEICA TM 1012)	Ca. 59 kPa
Tensile Strength (FEICA TM 1018)	Ca. 134 kPa
Elongation at Fmax (FEICA TM 1018)	Ca. 14.2 %
Temperature resistance**	-40 °C till +90 °C (cured)

** This information relates to fully cured product.

BOSS Products 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

Description

BOSS® 813+ FR FOAM is a one-component, self expanding, ready-to-use PU foam, which contains HCFC and CFC-free propellants which are not harmful for the ozone layer. BOSS® 813+ is a PU foam with fire retardant characteristics according to the European standard EN 1366-4.

Properties

- Fire resistant in a joint (EN 1366-4) for 240 minutes
- High filling capacity
- Good adhesion on all surfaces (except PE, PP & PTFE)
- High thermal and acoustic insulation value

- Very good bonding properties
- Not UV-resistant

Applications

- Installation of fireproof doors and windows
- Sealing of fire retardant joints in walls and ceiling
- As part of the 'BOSS® Fire Range' assortment for penetration seals and joints
- Sealing of all openings in roof constructions
- Applying acoustic baffle
- All foam applications in static joints

BOSS[®] 813+ FR FOAM

Packaging

Colour: Pink

Packaging: 750 ml aerosol

Shelf life

12 months if unopened and stored in dry and cool conditions (Between 5 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 1/3, as the foam will expand. Repeat shaking regularly during application. If you have to work in layers, repeat moistening after each layer. Cured foam can only be removed mechanically.

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 vapourizing (for example with a compressor), additional security measures will be required. Use only in well-ventilated areas.

Standards and certificates

- Tested according to standard EN 1366-4 for fire-resistant jointing
- Classification report according to EN 13501-2 by Warrington Exova (report nr. 19660A)

Users please read

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization. The supplier warrants only that its products will meet its specifications. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. The users exclusive remedy and the suppliers sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind. Suggestions of uses should not be taken as inducements to infringe any patents.

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Accumetric Silicones Pvt Ltd

No. 16/1, Corporation Road, Seevaram, Perungudi,
Chennai - 600 096, Tamil Nadu, India.
Customer Support: +91 44 4026 0345 - 60
indiasales@bossproducts.com
www.bossproducts.in