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CS-F JS single component filling foam



Product description

CS-F JS is a single component polyurethane based insulating foam for use with the CF-DSI dispenser which has been independently tested for acoustic insulation, Air leakage, thermal conductivity and water absorption properties.

Main applications

- Joints around door and window frames
- Dry wall joints
- Beam to roof sealing
- Head of wall joints
- Filling gaps and Cracks

Product Features

- Contains no CFC's
- Building material class B2 as per DIN 4102
- Contains no formaldehyde or PCB
- No substances harmful to health are released after complete curing, neutral odour
- Does not rot or deteriorate with age

Advantages

- Forms air tight water –resistant seal
- Soft flexible foam allows for joint movement

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- Provides excellent sound barrier
- Minimal subsequent expansion

Packaging

CS-F JS 750ml canister,	1 Piece	Item No. 02018888
Dispenser	CF-DS1	Item No. 00259768
Dispenser Cleaner	CFR-1	Item No. 00024506

Technical Data (@ 23°C and 50 % Relative Humidity)

Feature	Tested as per	CS-F JS
Number of components:		1
Chemical Basis		Polyurethane
Building material class:	DIN 4102	B2
Content of can (quantity filled):		750 ml
Colour:		Whitish
HFC Free		Yes
Foam Yield (freely foamed):	HTC 2104*	Up to 40 litres
Curing: non-tacky (after):	HTC 1211*	Approx. 10 min.
Ready to cut (after):	HTC 1213*	Approx. 25 min.
Load can be applied (after):	HTC 2105*	Approx. 3-5 hrs.
Tensile strength:	Din 53571	Approx. 5 N/cm ²
Shear strength:	DIN 53422	Approx. 4 N/cm ²
Compressive stress (10% Compression):	DIN 53421	Approx. 4 N/cm ²
Air Infiltration	DIN 4108-2	$a < 0,1 \text{ m}^3 / [\text{h} * \text{m} * (\text{daPa})^{2/3}]$ or 0,011 m ³ /h*m ² @50 Pa for 6 cm foam
Movement		± 12.5%
Thermal Conductivity:	DIN 52612	0.0345 W/mK
Acoustic Insulation:	DIN EN ISO 717-1	R _{ST,w} (C;C _{tr}) = 60 (-1;-3) dB (10 mm Joint Width) R _{ST,w} (C;C _{tr}) = 60 (-1;-3) dB (20 mm Joint Width)
Dimensional stability (up to 40° C and 90% rel. air Hum.):	HTC 1214*	+/- 3%
Gross density (full expansion):	HTC 2104*	
In gap (5 cm)	HTC 2104*	Approx. 25 kg/m ³
Water absorption:	DIN 53499	0.25 vol. -%
Temperature resistance of cured foam:		-40° C to +90° C
Ideal application temperature:		+15° C to +25° C

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Possible application temperature range:		+5 °C to +30 °C
Minimum temperature – substrate/ambient		+5 °C
Storage and transportation temperature:		+5 °C to +25 °C
Shelf Life		12 months

* Hilti Test of Chemicals

Instructions for use

- Read and follow all instructions and warnings on the labels.
- Ensure base material is free from dust and grease.
- Moisten base material with water spray (avoid large droplets of water) on the surface to promote adhesion and Optimise foam output volume and to prevent subsequent swelling.
Shake can of CS-F JS foam thoroughly before use.
- Remove protective cap from can, screw the foam can onto the dispenser.
- Adjust the control knob to regulate the flow of the foam from the dispenser.
- The foam should be applied evenly, working from the bottom up.
- Maximum gap width 5 cm.
- The foam should be moistened between layers (approx every 3cm) when filling large openings.
- A can must always be left in place on the dispenser in order to ensure optimal reliability and long life.
- The dispenser requires to be cleaned only if left unused for a long period (approx. 6 weeks). However a can must always be left on the dispenser with the control value closed. .
- Fresh spots of foam must be removed immediately using HILTI CFR-1

Limitations of Use

The foam adheres to concrete, steel, sheet metal, wood, hard PVC, masonry, etc

Do not use

- during frost conditions
- under water
- below ground level
- where it will be left exposed to UV radiation

CS-F JS will not bond to silicone, PE, PP, Teflon or formwork release agent.

Safety

Caution

- Irritates the eyes, respiratory system and skin
- Injurious to health if inhaled

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- Inhalation of vapours may cause sensitisation
- flammable / explosive vapour air mixture may form during the application of this product

Safety Precautions

- use in well ventilated areas or respiratory equipment where there is inadequate ventilation
- do not breathe gas
- The can is pressurised protect from direct sunlight and temperatures over 50 0 C
- wear suitable safety clothing (rubber/PVC gloves, goggles, overalls)
- wash hands thoroughly after use
- do not eat, drink or smoke whilst using this product
- Do not burn or attempt to open the empty can

Consult Material Safety Data Sheet**First Aid**

Should any of the foam come into contact with skin or eyes, flush liberally with water and then seek medical attention.

If unwell, dizzy or overcome by inhalation of product, remove to fresh air and seek medical attention.

Consult Material Safety Data Sheet

HILTI TECHNICAL ADVISORY SERVICE TELEPHONE 0161 886 1144

IMPORTANT NOTES

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1. The information and recommendations given herein are believed to be correct at the time of writing. The data has been obtained from tests done under laboratory, or other controlled, conditions and it is the users' responsibility to use the data given in the light of conditions on site and taking account of the intended use of the products concerned. Whilst Hilti (Gt. Britain) Limited can give general guidance and advice, the nature of Hilti products means that the ultimate responsibility for selecting the correct product for a particular application must lie with the customer.
2. All products must be used, handled and applied in accordance with current instructions for use published by Hilti (Gt. Britain) Limited.
3. All products are supplied, and advice given, subject to Hilti (Gt. Britain) Limited terms of business.
4. Hilti's policy is one of continuous development. We therefore reserve the right to alter specifications etc. without notice.
5. Construction materials and conditions vary on different sites. If it is suspected that the base material has insufficient strength to achieve a suitable fixing, contact the Hilti Technical Advisory Service.



Hilti (Gt. Britain) Ltd is a member of the Construction Fixings Association.