

PRODUCT DATA SHEET

Casco® Foam

Universal polyurethane foam for filling, sealing and insulation



DESCRIPTION

Casco® Foam is a 1-part, nozzle applied self-expanding polyurethane foam. It is designed for multipurpose use.

USES

- For indoor and outdoor applications
- Insulating and filling cavities and voids
- Filling joints around window and door frames
- Insulating against cold and draughts
- Filling around pipes / conduit penetrations

CHARACTERISTICS / ADVANTAGES

- 1-Part ready to use
- Easy application with nozzle
- Effective sound dampening
- Can be cut, trimmed, sanded and painted
- Good adhesion to many construction materials
- Good thermal insulation

SUSTAINABILITY

VOC emission classification GEV-Emicode EC1PLUS

PRODUCT INFORMATION

Composition	Polyurethane foam	
Packaging	500 ml and 700 ml pressurised canister Package range to be defined by local sales organization.	
Colour	Light Yellow	
Shelf life	12 months from date of production	
Storage conditions	Casco® Foam must be stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +25 °C. Store in an upright position. Always refer to packaging. Protect the canister from direct sunlight and temperatures above +50 °C (danger of exploding).	
Density	~25 kg/m3 (cured product)	(FEICA TM 1019)

TECHNICAL INFORMATION

Post expansion	~180 %	(FEICA TM 1010)
Light and thermal resistance	Not permanently UV-stable	
Service temperature	-40 °C min. / +80 °C max. (briefly up to +100 °C)	

APPLICATION INFORMATION

Yield	500 ml canister		
	Joint yield	~13 m	(FEICA TM 1002)
	Box yield	~20 L	(FEICA TM 1003)
	700 ml canister		
	Joint yield	~18 m	(FEICA TM 1002)
	Box yield	~29 L	(FEICA TM 1003)
Joint yield based on 20 mm × 50 mm joint			
Product temperature	Optimum	+20 °C	
	Permissible	+10 °C min. / +30 °C max.	
Ambient air temperature	Optimum	+20 °C	
	Permissible	+10 °C min. / +35 °C max.	
Substrate temperature	Optimum	+20 °C	
	Permissible	+10 °C min. / +35 °C max.	
Cutting time	~120 minutes (after which a 30 mm bead can be cut)		(FEICA TM 1005)
Tack free time	~9 minutes		(FEICA TM 1014)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surface must be firm, clean, dust and grease free. Paint, cement laitance and other poorly adhering contaminants must be removed. The product adheres without primers and/or activators to most building materials such as wood, concrete, brick, metal or aluminium. For non-conventional substrates a preliminary adhesion test is recommended. Pre-dampen the substrate with clean water, this ensures that the foam cures properly and also prevents unwanted foam expansion.

MIXING

Shake the Casco® Foam canister well for a minimum 20 times before use. Repeat shaking after long interruptions of use.

APPLICATION METHOD / TOOLS

When used for bonding vertical / horizontal building components, they must be supported until the product has developed sufficient strength. After shaking the canister, remove the cap from the canister and screw the nozzle firmly onto the thread of the valve without pressing the trigger or the valve. The amount of foam extruded can be regulated by applying more or less pressure on the trigger. Dispense the foam while keeping the canister upside down. Fill deep joints in several layers. Allow each layer to expand and harden sufficiently before pre-dampening

with water again for next layer application. Fill voids / cavities only partially as the foam expands during curing. Small gaps can be filled using an extension tube, this will however reduce the foam flow rate.

CLEANING OF EQUIPMENT

Clean all tools with Casco® FoamGun Cleaner or acetone immediately after use. Hardened material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

Moisture is necessary to cure the foam. Insufficient moisture may lead to subsequent unintended foam expansion (post-expansion).

- Do not use for mechanical or structural fixing purposes.
- The Product does not bond onto polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone, oil, grease or release agents.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product

PRODUCT DATA SHEET

Casco® Foam
September 2020, Version 01.01
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ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Casco products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or on the website www.casco.eu.

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