



A SIKA BRAND

PRODUCT DATA SHEET

Casco® AllSeason FlexFoam

Flexible polyurethane foam for all seasons.
Works as a hand and gun foam.



DESCRIPTION

Casco® AllSeason FlexFoam is a flexible 1-part polyurethane foam for use throughout the year. It is ideal for filling connection joints around window and door frames, as it has low post expansion as well as low curing pressure.

Due to its flexibility, it can withstand large movements in joints.

Works as a hand and gun foam.

USES

- Insulating and filling cavities and voids
- Filling joints around window and door frames
- Insulating against cold and draughts
- Filling around pipes / conduit penetrations
- The product can be used for indoor and outdoor applications.

CHARACTERISTICS / ADVANTAGES

- Easy gun – can be used both with and without gun
- Can be used at temperatures down to - 10°C
- Flexible
- Low curing pressure
- Low post-expansion
- Does not contain chlorinated paraffins
- 1-part ready to use
- Good dimensional stability when cured (no shrinkage or post-expansion)
- Good thermal insulation
- Can be cut, trimmed, sanded and painted

PRODUCT INFORMATION

Composition	One-component Polyurethane foam
Packaging	700 ml pressure can
Colour	Light yellow
Shelf life	12 months.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Protect the canister from direct sunlight and temperatures above +50 °C (danger of exploding). Always refer to packaging. Store in a cool dry well-ventilated area, STORE IN UPRIGHT POSITION.
Density	Free foamed ~27 kg/m ³ (FEICA TM 1019)

TECHNICAL INFORMATION

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Compressive strength	Dry	~1,5 N/cm ²	(FEICA TM 1011)
	Wet	~1,0 N/cm ²	
Tensile strength	Dry	~6,0 N/cm ²	(FEICA TM 1018)
	Wet	~6,0 N/cm ²	
Tensile strain at break	Dry	~34 %	(FEICA TM 1018)
	Wet	~25 %	
Shear strength	Wet	~3,5 N/cm ²	(FEICA TM 1012)
Dimensional stability	Dry	~ ±3 %	(FEICA TM 1004)
	Wet	~ ±3 %	
Post expansion		~60 %	(FEICA TM 1010)
Curing pressure		~0,1 N/cm ²	(FEICA TM 1009)
Light and thermal resistance	Not permanently UV stable		
Service temperature	-40 °C min. / +80 °C max. (temporarily up to +100 °C)		
Yield	700 ml Straw		
	Joint yield	~21m	(FEICA TM 1002)
	Box yield	~28 L	(FEICA TM 1003)
	700 ml Gun		
	Joint yield	~31m	(FEICA TM 1002)
	Box yield	~33 L	(FEICA TM 1003)
Substrate temperature	Optimum	+20 °C	
	Minimum	-10 °C	
	Maximum	+35 °C	
	The can should have room temperature.		
Curing time	~35 minutes (after which a 30 mm bead can be cut)		(FEICA TM 1005)
Cutting time	Approx. 35 minutes when 30 mm width joint at room temperature. Longer time with thicker beads or lower temperature and humidity.		
Tack free time	Approx. ~8 min. (23°C 50% RH)		(FEICA TM 1014)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, sound, firm, free from oils, grease, dust and loose or friable particles. 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.

APPLICATION METHOD / TOOLS

IMPORTANT: The product does not bond onto polyethylene (PE), polypropylene (PP), polytetrafluoro-

ethylene (PTFE / Teflon), and silicone, oil, grease or release agents.

IMPORTANT: Do not use the product for mechanical or structural fixing purposes.

IMPORTANT: When used for bonding vertical / horizontal building components, they must be supported until the product has developed sufficient strength.

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

1. Pre-dampen the substrate with clean water. This ensures that the foam cures properly and also prevents unwanted foam expansion. **IMPORTANT:** If ambient and/or substrate temperature is at or below 0 °C, do not pre-dampen the substrate.

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2.Shake the canister well for a minimum 20 times before use. Note: Repeat shaking after long interruptions of use.

3. Remove the cap from the canister.

4. Screw the canister onto the thread of the application gun or straw.

5.Dispense the foam by pressing the trigger. **IMPORTANT:** To ensure proper flow, hold the canister upside down while dispensing. Note: The amount of foam extruded can be regulated by applying more or less pressure on the trigger or by using the application gun flow-adjustmentscrew.

6.Fill deep joints in several layers. **IMPORTANT:** Allow each layer to expand and harden sufficiently before pre-dampening with water again for next layer application. Note: Fill voids / cavities only partially as the foam expands during curing. Note: Small gaps can be filled using an extension tube, this will however reduce the foam flow rate.

IMPORTANT: Before removing the canister, expend any material left in the canister into a container for safe disposal. Removing the canister without emptying it first may lead to foam splashes.

IMPORTANT: Clean the application gun with Casco® FoamGun Cleaner directly after use. Removing the canister without thorough cleaning may damage the application gun.

CLEANING OF EQUIPMENT

Uncured product on equipment is cleaned with Casco® FoamGun Cleaner.

Cleaner onto the thread of the application gun. Press the trigger to clean it. **IMPORTANT:** Do not leave the Casco® FoamGun Cleaner screwed on the application gun, as the valve could be damaged.

Cured product can only be removed mechanically.

FURTHER INFORMATION

PAINTABILITY

The cured foam can be over painted with most paints or sealed with an elastic sealant.

LIMITATION

Cured foam is sensitive to UV-light and direct sunlight.

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.

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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 Data Sheet for the exact product data.

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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