



GREAT STUFF GAPS & CRACKS All Direction Foam Sealant

Straw (500 ml / 300 ml / 150 ml)

Description

GREAT STUFF* GAPS AND CRACKS All Direction is a moisture-curing one-component polyurethane aerosol foam sealant. It contains an environmentally safe propellant, which complies with the latest EU regulations banning all CFC- and HCFC-propellants.

Typical areas of Application

- Filling holes, gaps, cracks and cavities within various building materials.
- Sealing voids and connection joints between different building materials.
- Reducing and controlling air-leakage in the building envelop and thereby sound transmission as well.
- As an aid to mechanically fixing and insulating door and window frames.
- Airsealing and stabilizing pipe entries through brickwork and other walls and showers.

Typical Product Properties

GREAT STUFF GAPS AND CRACKS All Direction adheres to most common building materials including wood, concrete, wall board and plastic, with the exception of smooth surfaced polyethylene, silicone, oil and grease or similar substrates.

GREAT STUFF GAPS AND CRACKS All Direction can be used at temperatures from +5°C to +25°C, the optimal processing temperatures being from 18°C to 25°C.

For an easy and practical use, the can may be hold in any position when dispensing the foam.

Full foam setting time is 12 hours. Once fully set, the foam can be trimmed, sawn, sanded, painted or plastered over.

The fully set foam is semi-rigid and predominantly close-celled.

It is thermally stable between -30°C and +80°C. It is durable and permanent except when exposed to UV-rays. Foam exposed to UV light should be painted or covered.

The heat insulation values are excellent.

Safety Considerations

Material Safety Data (MSD) sheets are available from The Dow Chemical Company. MSD sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSD sheets are updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product. These are available from the nearest Dow sales office.

Customer Notice

Dow encourages its customers to review their application of Dow products from the standpoint of human health and environmental quality. To help ensure that Dow products are not used in ways for which they were not intended or tested, Dow personnel will assist customers in dealing with ecological and product safety considerations. Your Dow sales representative can arrange the proper contacts.

Recommended Process Conditions

Prior to applying the foam, surfaces must be firm, clean, and free of dust, grease or loose particles. To speed up the curing process, surfaces can be lightly misted with water prior to applying the foam.

We recommend covering the floor and working surfaces with paper or plastic sheeting to protect against drips. It is advisable to have GREAT STUFF PRO GUN CLEANER at hand.

The ideal working temperature for both the environment and the can content is +20°C.

Always wear gloves and protective eyewear when dispensing GREAT STUFF GAPS AND CRACKS All Direction.

Recommended Process Application

The following instructions must be strictly observed:

Shake the can vigorously for 30 seconds. Screw the threaded end of the straw assembly onto the valve. Care must be taken not to over tighten the dispensing assembly.

During processing, the can can be held in any position: valve upright, inverted with valve in bottom position. To extrude the foam, pressure has to be carefully applied to the straw trigger.

The fresh foam will expand after application; therefore care must be taken not to overfill joints.

Please note: Moisture is needed for an even and rapid curing of the foam. Inadequate moistening or overfilling of joints and cavities may lead to poor cure or unwanted excessive post-expansion of the foam.

In the case of gaps larger than 3 x 3 cm, it is recommended to fill by applying several layers of foam, allowing each to cure.

Fresh foam spills must be removed immediately within the Tack-Free time using GREAT STUFF PRO GUN CLEANER. Once foam is cured, it can be removed mechanically.

Once opened, the foam will solidify in the straw or in the valve within 20-60 minutes, depending on ambient conditions. Prepare in advance to carry out all foaming at once.

If aerosol can has become bonded to a straw assembly, do not use force to loosen it, as there is danger of uncontrolled product release.

If product does not flow easily, do not force product out of can.

Handling and Storage

Store and transport cans always in an upright position and in dry conditions.

Cans should not be stored in hot areas, such as vehicles in direct sunlight.

Storage temperature: 15°C – 25°C

Shelf life: 18 months

Typical Physical Properties ⁽¹⁾

	Units	Straw (500 ml)	Straw (300ml)	Straw (150 ml)	Test Method
Density (3 cm gap)	Kg/m ³	23	23	23	DIN 53420
Colour		Light yellow	Light yellow	Light yellow	Visual
Yield	m of 1cm diameter bead	135	80	40	ASTM C1536
Tack free time	min	12	12	12	DOW internal method
Cut time	min	35	35	35	DOW internal method
Tensile strength	N/cm ²	7	7	7	DIN 53430
Compressive strength	N/cm ²	6	6	6	DIN 53421
Shear strength	N/cm ²	4	4	4	DIN 53427
Dimensional stability	%	≤10	≤10	≤10	DIN 53431

1. Based on test methods mentioned above, all data are given for non-aged foam evaluated @ 23°C, 50 % relative humidity. Yield is lower for aged foam. Special applications must be tested individually. For better results, premoisten the surface before dispensing the foam.

Packaging

Tinplate cans: 500 ml, 300 ml or 150 ml
Carton: 12 cans each

Contact information :

For more information about PU Consumer & Building products, call The Dow Chemical Company :
<http://www.dow.com/pusystems/index.htm>

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