GREAT STUFF™ PRO ALL SEASONS
Gun (750 ml)

Description

GREAT STUFF™ PRO ALL SEASONS is a moisture-curing one-component polyurethane aerosol foam sealant. It contains an environmentally safe propellant, which complies with the latest EU regulations (EC) No 842/2006) on the use of fluorinated greenhouse gases in One Component Polyurethane products.

Typical areas of Application

Filling holes, gaps, cracks and cavities within various building materials under extreme weather conditions.

››› 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.

››› Air sealing and stabilizing pipe entries through brickwork and other walls and showers.

Typical Product Properties

GREAT STUFF PRO ALL SEASONS is a specialty PU foam sealant designed for use in low temperature application conditions and under extreme weather conditions. It 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 PRO ALL SEASONS can be used at temperatures from -10°C to +25°C.
Full foam setting time is 12 hours or more depending on application temperature. Once fully set, the foam can be trimmed, sawn, sanded, painted or plastered over.
It is thermally stable between -55°C and +100°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.
Using GREAT STUFF PRO ALL SEASONS foam is a guarantee of superior dispensing control and maximum reusability.

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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 at temperatures above 0°C, 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.

GREAT STUFF PRO ALL SEASONS is usable at temperatures from -10°C to +25°C. It is advisable to store the can above +5°C before the application for ease of use during dispensing.

Always wear gloves and protective eyewear when dispensing GREAT STUFF PRO ALL SEASONS.

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 or the gun onto the valve. Care must be taken not to over tighten the dispensing assembly. During processing, the can must be held inverted with the valve in bottom position. To extrude the foam, pressure has to be carefully applied to the gun trigger. The gun trigger can be adjusted by turning the round knob at the rear of the gun dispenser.

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.

Using a gun applicator: Always check gun compatibility with GREAT STUFF PRO ALL SEASON cans prior use. Best dispensing results are achieved with GREAT STUFF PRO guns.
During relatively short work stoppages, leave the gun dispenser on the can and screw in proportioning screw completely. When a can becomes empty, immediately screw the gun onto another can.
During relatively long stoppages, unscrew the can and clean the gun with GREAT STUFF PRO GUN CLEANER. Once a can has been started, it should be used within four weeks.

If aerosol can has become bonded to the gun, 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.

Packaging

Tinplate cans: 750 ml
Carton: 12 cans each

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Handling and Storage

Store and transport canister always in an upright position and in dry conditions.
Storage temperature: 5°C – 25°C
Cans should not be stored in hot areas, such as vehicles in direct sunlight.
Shelf life: 12 months

Typical Physical Properties(1)

		Temperature		
		+23°C	+5 °C	-10 °C
Free rise density	Kg/m^3	20	18	17
The expansion of the foam varies with the dispensing temperature and product temperature The density of the foam dispensed in a gap will be slighty higher. Varies with gap size and shape				
Yield	liter	50	55	60
Yield is calculated based on density of foam bead - diameter 30mm Yield is lowe for aged foam				
Colour			Light yellow	
Flow rate	g/10sec	170	90	40
Tack Free Time	min:sec	2:40	3:00	3:30
Cure Time	hours	1-2	3-5	6-9
Water Pick-up of cured foam	(%)		Max. 20%	
Shrink	(%)		Less than 10%	
Tensile Bond strength	kPa		> 50	
Compression Strength	kPa		> 30	
Thermal conductivity	W/m.K		0.03	
Fire class of cured foam			B3 (Din4102)	
Temperature stability of foam			-55°C to +100°C	

1. Based on test methods mentioned above, all data are given for non-aged foam. Special applications must be tested individually.

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Safety Considerations

Material Safety Data Sheet (SDS) are available from The Dow Chemical Company. SDS 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. SDS sheets are updated regularly, therefore, please request and review the most current SDS 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.

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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