Q 1C Window-GunFoam 750ml B2

Gap insulation with high efficiency. Regular and fine cell structure. Certificates for sound absorption and thermal conductivity. Good dimension stability. Fire behavior tested according to DIN EN 13501-1 Class E.

Properties:

greenteQ 1C Window-GunFoam 750ml B2 is a one-component polyurethane assembly foam and is based on a moisture curing polyurethane prepolymer. The propellant mixture is free of CFC, HCFC and HFC-propellants.

The development and manufacture of this product are subject to the approved quality assurance system according to ISO 9001/EN 29001.

greenteQ 1C Window-GunFoam 750ml B2 adheres to all common building materials except from surfaces such as polyethylene, silicone, oil and grease and similar substrates.

The foam can be used at temperatures from +5°C to +30°C. The cured foam is semi-rigid and predominantly close-celled. It is resistant to temperatures ranging from -40°C to +100°C and to ageing, but not to UV-rays. Noise and heat insulation values are excellent.

The cured foam corresponds to fire building material class B2 according to DIN 4102-1. The can is equipped with an adapter ring so it fits to all common applicator guns. For greenteQ 1C Window-GunFoam 750ml B2 is precisely adapted to work together with the greenteQ applicator guns. Only this combination will guarantee best working results.

Product picture:

Areas of application:

For window setting, where a clean and controlled backfill is required. For the installation of roller blinds, sealing of connection joints as well as for entrance door linings. Generally for any kind of small breakthroughs in walls and other cavities.

Preparation:

Surfaces must be firm, clean, free of dust, loose particles and grease. They must be moistened well with water. It is advisable to apply a primer well penetrating into the ground if necessary. All construction components must be properly prepared prior to foam application.

It is advisable to have greenteQ Cleaner at hand. The ideal working temperature for both the can and environment is +20°C. Chilled cans must be carefully warmed in lukewarm water before usage. However, the can must not be heated above +50°C, as there is a risk of bursting. Cans which are too hot must be cooled in water.
The can should be shaken occasionally during this process to obtain the required temperature faster. Prior to work and before the can is attached to the applicator gun, it must be shaken thoroughly at least 20 times.

Care must be taken that the can is not attached tilted into the thread or overturned.

Application:

The fresh foam will expand by 1 ½ to 2 times. Therefore care must be taken not to overfill joints. To extrude the foam, pressure has to be carefully applied to the gun trigger. Fresh foam spills must be removed immediately within the tack-free time with greenteQ Cleaner. Cured foam can be removed only mechanically. Once a can has been started, it should be used within four weeks.

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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 an unwanted post-expansion of the foam.

Safety instructions:

See Safety Data Sheet greenteQ 1C Window-GunFoam 750ml B2.

Form of delivery:

Tinplate cans with 750 ml. Cartons with 12 cans each.

Technical data:

(determined at +20 °C, 50 % relative air humidity and according to the VBH testing methods)

Yield, free expanded 750 ml can (bulk density approx. 12 kg/m³)		up to 43 Liter
Cell-structure		medium-fine
Tack-free (20 mm bead)		approximately 5-8 minutes
Can be cut after (20 mm bead)		approximately 7-10 minutes
Full stability load bearing (20 mm bead)		after approximately 12 hours
Minimale Verarbeitungstemperatur (Dose)		+ 5ºC
Minimum working temperature (can, ambient air, surfaces)		+ 5ºC
Optimum working temperature (can, ambient air, surfaces)		+ 20ºC
Maximum working temperature (can, ambient air, surfaces)		+ 25ºC
Tensile strength	(according to DIN 53430)	approximately 8-9 N/cm²
Elongation at tension	(according to DIN 53430)	approximately 18%
Shear strength	(according to DIN 53427)	approximately 4-5 N/cm²
Compressive strength at 10% stress	(according to DIN 53421)	approximately 2-3 N/cm²
Water absorption		approximately 50 ml water per 750 ml can
Thermal conductivity	(according to DIN 52612)	approximately 0.0361 W/mK
Certified sound absorption	(according to ift)	$R_{ST,w}$ (C;Ctr) = 60 (-2;-5) dB
Temperature resistance of the cured bead long-term		- 40ºC to +80ºC
Temperature resistance of the cured bead short-term		- 40ºC to +100ºC
Fire behavior	(according to EN 13501)	E
Shelf-life* (referring to dry and cool stoarge)		up to 12 months

*Considerably higher temperatures may reduce the shelf-life

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

We reserve the right to make physical and chemical changes to our products from time to time as a result of technical development and research.

greenteQ