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3C Sealants®



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Product Technical Data Sheet

Product Name: **3C Sealants Construction Foam**



DESCRIPTION:

A PU-based expanding foam filler with perfectly low expansion making it ideal for precise gap filling. Used with a foam gun or nozzle* it offers phenomenal acoustic and thermal insulation. As well as being a controllable expansion foam, it can also be used as an adhesive for light weight panel bonding, only in indoor applications (preliminary testing is required).

BENEFITS:

- Low expansion pressure (for perfect control)
- Use with foam gun or *specialist nozzle
- Superb thermal and acoustic insulation properties
- Ozone friendly, free of CFC & HCFC
- Can be sawn, cut, plastered and painted
- Water resistant
- No long-term shrinkage

*Specialist nozzles are available, contact our sales team for more information (02085241931).

RECOMMENDED FOR:

- Controlled exact gap filling
- Accurate joint sealing
- Between partition walling & insulation boards
- Light weight panel bonding etc.
- Fill between structural spaces
- Thermal and acoustic insulation
- For inside & outside applications

PRODUCT INFORMATION

Packaging	750ml
Shelf Life	12 months
Colour	Beige yellow
Storage	Store vertically in cool, dry conditions, +5°C to +30°C
Density in joint 3x10 cm	15 - 19 kg/m3
Dimensional stability (TM 1004)	< 1 %
Fire class (DIN 4102-1)	B3
Tack free time	6 - 10 min
Cutting time	< 30 min
Completely cured in joint 3x5 cm	< 8 h
Temperature resistance	-50°C to +90°C

Elongation at break	22%
Tensile strength	> 60 kPa
Shear strength	> 20 kPa
Compression strength	> 5 kPa
Thermal conductivity	0,033 W/mk
Sound reduction	62 dB

PREPARATION:

Use only in well-ventilated areas.

- Surfaces should be clean and free of dust and grease.
- Substrates must always be pre-moistened, as foam expands due to humidity.
- Chilled cans must be carefully warmed up 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.

APPLICATION:

Wear gloves and safety glasses.

- Shake foam can vigorously at least 20 times before use.
- Keep the can in upright position when screwing onto the foam gun. Move the gun to the can by holding the gun handle with one hand and screwing the can with the other hand. Do not turn the can during screwing. Do not aim the gun at people!
- Hold the can upside down when extruding the foam. The dispensing volume can be controlled by using the gun trigger and the adjustment screw.
- Keep the foam can with gun upright after use.

HEALTH & SAFETY:

DANGER: alkanes, C14-17, chloro, 4,4'-methylenediphenyl diisocyanate, isomers and homologues. Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Wear protective clothing, protective gloves, eye protection, face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

As from 24 August 2023 adequate training is required before industrial or professional use

UFI: KW5N-1NUF-DVOP-V0C4

LIMITATIONS:

- Does not adhere to PE, PP, PTFE
- Not for use on silicone, oil, grease and similar surfaces
- Not UV resistant

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for their application. Therefore, tests are necessary. Our general conditions apply.