

CANAC 114412 / 114414

Low expansion polyurethane foam for doors and windows

DESCRIPTION

CANAC 114412 / 114414 is a one-component straw grade, self-expanding, ready to use polyurethane foam. It is used for insulation on windows and doors perimeters, or any others gaps that need to be filled. It contains CFC-free propellants, which are completely harmless to the ozone layer. CANAC 114412 / 114414 reaches R5 (thermal resistance) per square inch insulation rate. It adheres to most common construction materials. In combination with the ADFOAM Mega Adapter the yield of cured flexible foam is increased by 75%. Due to the fact there is virtually almost no expansion after extrusion “what you see is what you get”; therefore, the application is much more efficient.

PHYSICAL PROPERTIES

Base	Polyurethane
Color	Champagne
Consistency	Stable foam thixotropic
Curing system	Moisture cure
Skin time	± 8 minutes (20°C (68°F /65% R.H.)
Drying time	Dust free after 20-25 minutes
Curing time [20°C (68°F) / 65% H.R.]	1 hour for a 30mm diameter (20°C / 68°F - 65% R.H.)
Yield	1000 ml yields 55-60 l (cured foam)
Shrinkage	None
Post-expansion	None
Cellular structure	70-80% closed cells
Relative density	22 kg/m ³ (when fully cured)
Maximum distortion	25%
Temperature resistance	-40°C (-40°F) to 90°C (194°F) when cured
Fire class (DIN 4102 partie 2)	B3
Insulation factor	32 mW/m.K
Shear strength (DIN 53427)	16 N/cm ²
Pressure strength (DIN 53421)	3 N/cm ²
Bowing strength (DIN 53423)	8 N/cm ²
Water absorption (DIN 53429)	1% Vol
V.O.C.	188.1 gr/L

PRODUCT CHARACTERISTICS

- Minimal expansion, will not cause any distortion
- Excellent adhesion on most substrates (except PTFE, PE and PP)
- High thermal and acoustical insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or post-expansion)
- Precision in application

APPLICATIONS

- Installing of window- and doorframes
- Filling of cavities
- Sealing of all openings in roof constructions
- Creation of a soundproof screen
- Mounting and sealing of window- and doorframes
- Connecting of insulation materials and roof constructions
- Improving thermal isolation in cooling systems

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DIRECTIONS FOR USE

All surfaces must be free of dust, oil, grease, frost or any other contaminant. Clean all surfaces with ADSEAL CLEANER 500. Let evaporate 20 minutes prior to CANAC 114412 / 114414 application. Shake the aerosol can for at least 30 seconds. Put the adapter (straw) on the can. Moisten surfaces with a water spray prior to application (only when temperature > 0°C). The aerosol can be used in all directions. Remove pressure from the applicator to stop. Fill holes and cavities at 50% as the foam will expand. Repeat shaking regularly during application. If you must work in layers repeat moistening after each layer (only when temperature >0°C). Fresh foam can be removed using ADFOAM CLEANER 500-gun cleaner. Cured foam can only be removed mechanically. Cured foam may be trimmed or sanded. Cured foam must be protected from UVB radiation by painting or applying a top layer of sealant (silicone or hybrid sealant). Application temperature: -5°C (23°F) to 35°C (95°F).

PACKAGING

- 294 grams / 300 ml can (CANAC 114412)
- 589 grams / 600 ml can (CANAC 114414)

SHELF LIFE

12 months in unopened packaging in a cool and dry storage place at temperatures between 5°C (41°F) and 25°C (77°F). Always store can with the valve pointed upwards.

HANDELING AND SAFETY

Apply the usual industrial hygiene. Wear gloves and safety goggles. Remove cured foam by mechanical means only, never burn away. Consult the SDS (Safety Data Sheet) for more information. If you need additional information, do not hesitate to contact your technical representative. Always test product on your application prior to use. For industrial use only.

IMPORTANT READ CAREFULLY

The information and recommendations contained herein are derived from our research and information from other reliable sources. This data applies only to our products and not when used with other products. We believe in the reliability of our information. However, no guarantee is offered to that effect. It is the responsibility of the buyer to verify this data according to their own operating conditions to ensure that they conform to the purpose for which the product is intended, even before using it.

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