

TECHNICAL DATA SHEET

DOLPHIN PU FOAM 100

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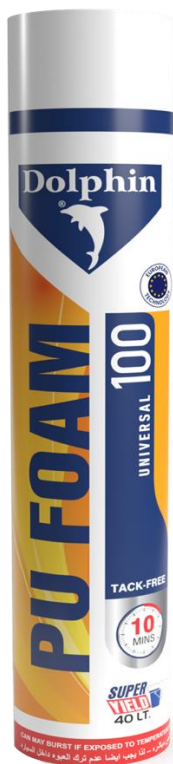
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PRODUCT DESCRIPTION

Dolphin PU Foam 100 is a one-component, self-expanding, ready to use polyurethane foam, which contains HCFC- and CFC-free propellants who are not harmful for the Ozone layer.

TECHNICAL PROPERTIES



Properties	Specifications
Basic Component	Polyurethane
Consistency	Stable foam, thixotropic
Curing System	Moisture curing
Skin Formation (FEICA TM 1014)	8 min
Cutting Time (FEICA TM 1005)	55 min
Free foamed density (FEICA TM 1019)	Ca. 43 kg/m ³
Thermal conductivity (λ) (EN 12667)	0,036 W/m.K
Box Yield (FEICA TM 1003)	750 ml yields ca. 32 l of foam
Joint Yield (FEICA TM 1002)	750 ml yields ca. 25 m of foam
Shrinkage after curing (FEICA TM 1004)	< 1 %
Expansion after curing (FEICA TM 1004)	None
Expansion during curing (FEICA TM 1010)	Ca. 70 %
Percentage closed cells (ISO4590)	Ca. 26 %
Compressive strength (FEICA TM 1011)	Ca. 8 kPa
Shear strength (FEICA TM 1012)	Ca. 20 kPa
Tensile Strength (FEICA TM 1018)	Ca. 34 kPa
Temperature resistance**	-40 °C till +90 °C (cured)

Note:

** This information relates to fully cured product.

(Information on this data sheet is subject to change without prior notice and should not be used for writing specifications)

TYPICAL USES

- Installing of window and door frames
- Filling of cavities
- Sealing of all openings in roof constructions
- Apply a soundproof layer improving thermal isolation in cooling systems

KEY FEATURES

- Excellent stability (no shrinkage or post-expansion)
- High filling capacity
- High insulation value, thermal and acoustic
- Good adhesion on all surfaces (except PE, PP and PTFE)
- Very good bonding properties
- Very precise to dose
- Not UV-resistant
- Freon free (not harmless to ozone layer and greenhouse effect)



WORLD-CLASS
CHEMICALS

Application instruction	<ul style="list-style-type: none"> • Shake the aerosol can for at least 20 seconds. Fit the gun on the adapter • Surface should be free from grease and dust • Moisten surfaces with a water sprayer prior to application • For non-conventional substrates a preliminary adhesion test is recommended • Fill holes and cavities for 65 %, as the foam will expand • Repeat shaking regularly during application. If you must work in layers repeat moistening after each layer <p>Can temperature: +5 °C - 30 °C Ambient temperature: +5 °C - 30 °C Surface temperature: +5 °C - 35 °C</p>
Packaging	Dolphin PU Foam 100 is available 750 ml aerosol (net).
Storage and shelf life	12 months unopened and stored in dry and cool conditions (Between 5 and 25 °C), Upright storage is recommended. Do not place in direct sunlight or nearby any heat, sparks, and flame source.
Health & safety recommendations	Take the usual labor hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away. Consult label and material safety data sheet for more information. When vaporizing (for example with a compressor), additional security measures will be required. Use only in well ventilated areas.
Remarks	Moisten surfaces with a water sprayer prior to application. If you must work in layers repeat moistening after each layer. For not common surfaces we recommend an adhesion test. Not UV-resistant, cured polyurethane foam must be protected against UV exposure by overpainting, sealing with sealants (e.g., Silicones, polyurethane, acrylic or hybrid polymer) or covering.
Note	Physical properties shown are typical and are to serve only as guide for engineering design. Results are obtained from specimens under ideal laboratory conditions and may vary upon use, temperature, and ambient conditions. Right to change physical properties because of technical progress is reserved. This information supersedes all previously published data. Yields shown are based on theoretical calculations and will vary depending on ambient conditions and particular application. Read all product direction and safety information before use. Consult local building codes for specific requirements regarding the use of cellular plastics or urethane products in construction.

KEEP OUT OF REACH OF CHILDREN • KEEP CONTAINER TIGHTLY CLOSED • FOR INDUSTRIAL & PROFESSIONAL USE

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