

TECHNICAL DATA SHEET



Polyurethane sealant

FOME FLEX PU-45 PROFESSIONAL SEALANT HM

Description

FOME FLEX PU-45 PROFESSIONAL HM – this high modulus, one-component, polyurethane sealant and adhesive for sealing structural and expansion joints, roof joints and floors in pedestrian areas. It has a high mechanical resistance, always elastic, hardens quickly and is easy to apply. Curing speed 3 mm per day. Resistant to water, sea water, diluted alkalis, cement mortars and detergents in water dispersion.

Advantages

- Permanent elasticity.
- Elongation at break 500%.
- High mechanical resistance.
- Zero shrinkage.
- Excellent adhesion to most surfaces.

Areas of application

FOME FLEX PU-45 HM is specifically developed as a universal sealant for sealing construction and expansion joints and joints in pedestrian walkways and suitable for roofing applications.

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Technical specifications

Indicator	Units	Value
Colour		Grey (concrete)
Density	g/ml	1,18
Skin formation	min.	60-90
Shrinkage	%	0
Vertical flow	mm	0
Joint movement capacity	%	25
Shore A		45
Elongation at break	%	500
Module 100%	N/mm ²	0,4
Thermal resistance after curing	°C	-30 °C ... +80 °C
Application temperature	°C	+5 °C ... +35 °C
Curing speed	mm/24 hours	2-3
Fire resistance class		E
Tensile strength after curing	MPa	1.5
Volume	ml	600

Certification



EN 15651-1 F-EXT-INT-CC 25HM
EN15651-4 PW-EXT-INT 25HM

Directions of Use

Surfaces must be dry, clean and free from grease. Application temperature from +5 °C to +40 °C. Cut the end of the cartridge or 600 ml package and screw the nozzle on the cartridge supplied with it. Insert the cartridge or package into the caulking gun and fill the nozzle with glue by pressing the trigger on the gun several times. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width up to 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm. Maximum joint width is 35 mm.

Limitations

- Do not apply at a temperature under +5 °C.
- In cold weather, store the packages at about 20 °C before use.
- Cannot be used on bituminous substrates, natural rubber, EPDM rubber, PE, HDPE, Teflon, Delrin or on other building materials which might bleed oils, plasticizers or solvents which could attack the sealant.
- If there is a moisture-vapor-transmission condition that exists from the substrate, this can cause bubbling within the sealant.
- Avoid contact with alcohol and other solvent cleaners during the cure.
- Maximum depth/width of the sealant must not exceed 35 mm; the minimum is 5 mm.

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Storage conditions

Store upright in a dry place at +5 °C to +25 °C. Expiry date - 18 months from date of manufacture, subject to storage regulations.

Packaging

600 ml aluminium folie package, 12 packages per box.

Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request.

Waste management

Completely empty the packaging and dispose of properly.