



PRODUCT BROCHURE

MULTIFOAM PRO 5145

Premium one-component polyurethane fixing and filling foam for door and window installation, insulation and sealing. Made in Germany by MAPURA GmbH.

B2 DIN 4102

Class E EN 13501-1

TÜV-approved safety valve

Gun or plastic adapter



750 ml

Can

52 ±3 L

Yield, foamed freely

~33 ±3 m

Strand yield, 20 × 50 mm

24 months

Shelf life

Where it is used

- Door frames, without holdfasts or anchor fasteners
- Window and façade frame sealing, with anchors
- Expansion joint back-up behind the sealant
- Beam-to-block and column-to-masonry joints
- Pipes, ducts and services through walls and slabs
- Mivan patti and tie-rod holes

Milestone (India) Corp · In business since 2000, importing MULTIFOAM since 2003
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01 Product overview

MULTIFOAM PRO 5145 is a one-component polyurethane (1K PU) fixing and filling foam, made in Germany by MAPURA GmbH and imported into India by Milestone (India) Corp since 2003. It cures with the moisture in the air into a closed foam that bonds, seals and insulates in one application.

Its formulation is made with Indian site conditions in mind: wide temperature differences, construction safety, higher yield per can and a long shelf life, so there is less wastage.

Used by Hiranandani, Godrej Properties, Rustomjee, Kukreja Builders, Sobha Developers, Aparna Constructions, Casagrand Builders, Ramky Infrastructure, Baashyaam Constructions, CCCL, BSCPL and other leading developers: 165+ organisations served in India and Bhutan.

02 Key features

Stable volume

Medium-fine cell structure; does not shrink after curing.

Fire class E / B2

Class E to EN 13501-1 and B2 to DIN 4102. It is not a fire-stop product: for fire-rated seals use PURAFOAM FIRE.

Fends off insects

A natural ingredient is added to the formulation.

Safe and universal

TÜV-approved safety valve. The can can be stored in any position.

Stability in the joint

Higher stability for window fixing. Window frames still need mechanical anchors.

Sound and heat

61 dB joint sound insulation; thermal conductivity 0.0381 W/m·K.

03 One can, two applicators

MULTIFOAM PRO 5145 is a COMBI can: the same can works with the PURATOOL 4110 dispenser gun for high-volume work and control, and with a plastic adapter for smaller jobs and tight spots.

04 On site



Measure the gap between frame and plastered wall.



Set the frame true and fix the jigs.



Foam with the dispenser gun, wearing PPE.



05 Technical data

Chemical basis	1K polyurethane in aerosol can
Cell structure	Medium-fine
Building material class	E (EN 13501-1) / B2 (DIN 4102)
Yield, strand 20 × 50 mm	~33 ±3 m
Yield, foamed freely	52 ±3 L
Expansion	30–100 %
Curing	5–8 h, depending on humidity
Cutting excess foam	After 24 h (any time from the next day)
Load-bearing (door frames)	After 3–5 h
Compression / tensile / shear strength (24 h)	7 ±2 / 10 ±2 / 5 ±2 N/cm ²
Thermal conductivity	0.0381 W/m·K
Sound insulation R(st,w)	61 dB
Water absorption	< 2 vol-%
Vapour permeability	μ = 19
Service temperature, cured foam	–40 to +80 °C
Processing temperature, can and surroundings	+5 to +35 °C
Storage	Dry, unopened, +15 to +25 °C; shelf life 24 months
UV	Not UV-stable: cover cured foam
Packing	750 ml can, 12 cans per box

Data from MAPURA technical data (TDS edition 07/2025), at 23 °C / 50 % r.h., non-aged foam. Values on site depend on substrate, temperature, humidity and application.

Safety. Pressurised container. Contains isocyanates. For professional use only. Read the technical data sheet and the safety data sheet before use.



06 Door frames: foam against holdfasts

	MULTIFOAM PRO 5145	Holdfast and anchor	Cement concrete
Installation time	Fast: fixed in minutes	Slow	Slow
Cracks along the frame	None	Yes	Yes
Air and water seal	Full seal	None	Partial
Thermal insulation	0.0381 W/m·K	None	None
Sound insulation	61 dB	None	Limited
Building movement	Flexes with it	Rigid	Rigid
Plaster and paint repair	Not needed	Needed	Needed

Holdfasts and anchor fasteners need holes or chases cut into the wall, which are then patched with mortar. The patch shrinks and cracks along the frame, and MS holdfasts rust and stain the plaster. MULTIFOAM holds the frame along its sides with one flexible, damp-proof fill: no chasing, no patching, no cracks along the frame. Door frames fixed this way survived Cyclone Vardha (150 km/h) in 2016.

“We’ve installed thousands of frames with just the foam without any extra fasteners and have had zero complaints.”

Vikramditya Kukreja, Kukreja Builders Pvt. Ltd., 1 June 2024

07 Applications in construction

Door frames

12–15 mm gap all round, in a well-cured plastered wall. No holdfasts or anchor fasteners: door frames only.

Beam and column joints

Flexible fill where block or brick meets RCC, so the joint does not crack through the plaster.

Window and façade frames

Anchors on the jambs and head; leave the sill unscrewed. Foam seals the 10–12 mm gap against air, wind and water.

MEP and HVAC

Seals and insulates around pipes, conduits and ducts. Fire-rated openings: PURAFOAM FIRE, as part of a tested fire-resistant system.

Expansion joint back-up

Sets the sealant depth and stays compressible. The foam is not the movement seal.

Mivan patti and tie-rod holes

Fills each hole to its full depth. The outside face is then grouted.