Technical Data Sheet

POWERFIX PFM25

Technical Characteristics:

Base	MS Polymer®
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 10 min. (20°C/65% R.V.)
Curing Rate (*)	2mm/24h (20°C/65% R.V.)
Hardness	20±5 Shore A
Specific Gravity	1.45g/mL
Elastical Recovery	>70%
Movement Capability	+/- 50%
Temperature Resistance (fully cured)	-40°C - 90°C
Elasticity Modulus 100 %	0.36N/mm² (DIN 53504)
Tear Strength	1.30N/mm² (DIN 53504)
Elongation at break	750% (DIN 53504)

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

Product:
PowerFix PFM25 Low Modulus is a high quality single component joint sealant with high adhesive strength and excellent elasticity. It is based on MS-Polymer®, is chemically neutral and fully elastic. For use in high movement joints in construction, automotive, marine and aerospace areas where a tough flexible rubber is required.

Characteristics:
- Tested and conforms to ISO 116000-F-25LM
- High bond strength on nearly all surfaces
- Excellent adhesion on porous and non porous surfaces
- High performance mechanical properties
- Flexible elastic rubber – movement accomodation up to 50%
- Straightforward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Primerless adhesion on many substrates (except where water pressure may occur)
- Very easy to tool and finish
- Good extrudability even at low temperatures
- Colour stable and UV resistant
- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Minimal health and safety considerations
- Can be paintable with all water based paints and many other systems
- Excellent weather resistance in all climates
- No staining of porous materials such as natural stone, granite (for marble please test a small area)

Applications:
Expansion and connection joints in the building industry
Sealing of joints in prefabricated buildings
Movement joints in high rise constructions
Sealing between window and door frames
Flexible joints in marine applications
Flexible bonding in caravans and mobile structures
Exposed movement joints on all usual building substrates

Packaging:
Colour: white, grey,
Packaging: cartridge 290mL; foil bag 600mL,

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POWERFIX PFM25

Shelflife:
12 months in unopened packaging in a cool and dry place at temperatures between +5°C - 25°C.

Resistance to chemical agents:
Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.
Poor resistance to aromatic solvents, concentrated acids, and chlorinated hydrogens

Substrates:
Nature: clean, dry, free of dust and grease
Priming: For porous surfaces Primer 150 may be applied. Surface Activator may be used on non-porous surfaces.
We recommend preliminary compatibility tests previous to application.

Joint dimensions:
Minimal width: 5mm
Maximal width: 30mm
Minimum depth: 5mm
Recommendation: width = 2 x depth

Application:
Method: Manual- or pneumatic caulking gun
Application temperature: +1°C - 30°C
Cleaning: White Spirit immediately after application and before curing
Tooling: soapy solution before skin formation
Repair with: PowerFix PFM25.

Health- and Safety Recommendation:
Apply the usual industrial hygiene.

Remarks:
PowerFix MS25LM may be overpainted, however due to the large number of paints and varnishes available we strongly suggest a compability test before application. The drying time of alkyd resin based paints may increase.

Tests/Approvals:
- Belgium : ATG 98/2241 (ISO 11600-F-25LM)
- Germany : MPA-NRW 22-0902 5 98 to DIN 18540-F
- UK : BBA SC 007/01 (ISO 11600-F-25LM