



TECHNICAL DATA SHEET
ID Product Code
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MARMOFLEX

SINGLE COMPONENT POLYURETHANE BASED ELASTOMERIC SEALANT

MARMOFLEX is a single component polyurethane based elastomeric sealant which cures under the effect of atmospheric humidity to form a flexible and resistant joint that has a good resistance to tear and to weather. MARMOFLEX has CE marking for following applications: - sealants for facade elements for interior and exterior applications usable in cold climate according to European Standard EN 15651-1 (F EXT-INT CC) - sealants for pedestrian walks for interior and exterior applications usable in cold climate according to European Standard EN 15651- 4 (PW EXT-INT CC)

Areas of applications

MARMOFLEX can be used for bonding various construction materials and as sealing joint. This sealant has a good adhesion without primer on current materials : wood, aluminum, most lacquered metals, polyester, glass, PVC, stone, ceramic tiles. For difficult materials, it is necessary to make tests beforehand.

Instructions for use

Substrates preparation : The substrates must be clean, even, dry, free of dust, oil, grease and any contaminants that could harm bonding. They may be cleaned with acetone or grease remover. Apply a primer if necessary. Check the compatibility of the solvent used with the substrates. When using solvent primers carefully follow the safety and handling instructions given by primer manufacturer or supplier. If necessary, rub down metal surfaces beforehand. After rubbing down, the surface should be re-cleaned. Allow the substrate to dry after degreasing. We recommend to clean concrete with a metal brush.

Caulking

MARMOFLEX can be applied by a manual or pneumatic gun. After application, use a putty knife to smooth the joint with soapy water. This product should be used within 24 hours of opening the cartridge or sausage ; otherwise, the sealant could harden inside. Do not apply at a temperature under 5 °C. In cold weather, store the cartridges at about 20 °C before use. Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.



Chemical characteristics

Appearance	Paste
Colour	Grey , White, Beige
Density at 20 °C	Black : 1.15 ± 0.02 ; others : 1.16 ± 0.02
Sagging (ISO 7390)	None
Application temperature	5 to 35 °C
Skin formation time at 23 °C and 50 % HR	3 mm/24 h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 40
Modulus at 100 % (ISO 8339)	Approx. 0.4 MPa
Elongation at break (ISO 8339)	> 500 %
Temperature resistance	- 40 to + 80 °C
Resistance to dilute acids and bases	Average
UV resistance	Good
Water and salt spray resistance	Excellent
Compatibility with paints	Water based: yes / Solvent based: carry out tests beforehand
Modulus at 100 % (ISO 37)	Approx. 0.3 MPa
Resistance to water and household cleaners	Excellent
Modulus at break (ISO 37)	Approx. 1.4 MPa
Elongation at break (ISO 37)	> 600 %
Tear strength (ISO 34)	Approx. 10 N/mm
Classification according to ASTM C-920 standard	Class 25, type S, grade NS, uses T1, NT, A et M.
Classification according to ISO 11600 standard	F 25 HM
Shelf life	12 months from production date in its original packaging (unopened container) between 5° and 25° C in a cool dry place. If necessary, warm the product gently before use until it reaches a suitable temperature.
* indicative values, depending on the nature of the material and environmental conditions	



Coverage

Coverage depends to the thickness of the joints:

MARMOFLEX 300 ml cartridge										
Gap (mm)	2	3	4	5	6	7	8	9	10	
Length of cord (m)	95	42	24	15	10,5	7,5	5,5	4,5	3,5	
MARMOFLEX 600 ml sausage										
Gap (mm)	2	3	4	5	6	7	8	9	10	
Length of cord (m)	190	85	47	30	21	15	11	9	7	



Storage

15 months from production date in its original packaging (unopened container) between 5° and 25° C in a cool dry place.



Packing

300 ml cartridges
600 ml sausages

Cleaning

Tools should be cleaned with acetone before the sealant has completely cured. After curing, abrasion is necessary.

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.primaxbuild.it

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