PR1ME®
SEALANTS • ADHESIVES • WATERPROOFING

MS-POLYMER
based on hybrid MS polymer

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TECHNICAL DATA SHEET

SEALANT ADHESIVE

PRODUCT DESCRIPTION

PRIME MS-POLYMER is high quality one-component universal sealant adhesive based on hybrid MS polymer. First choice of both professional and DIY users for everyday sealing and flexible bonding requirements.

FEATURES AND ADVANTAGES

- Excellent adhesion to most construction and metal materials -concrete, brick, wood, aluminum, iron, stainless steel, copper and various types of plastic.
- Good output even at low temperatures.
- Does not slump in vertical joints.
- Good adhesion on moist surfaces.
- Excellent mechanical properties and hardness.
- Environmentally friendly; it is solvent, isocyanate and silicone free.
- Totally chemically neutral and odourless.
- Can be painted with most paints and varnishes on the basis of epoxy, polyurethane and water.
- Shrinkage during hardening process below 1%.
- Resistant to atmospheric effects, UV-light and ageing.
- Does not cause corrosion.
- Chemical resistance
  - Good chemical resistance to: water, aliphatic solvents, mineral oils, fat, low concentrations inorganic acids and bases.
  - Poor chemical resistance to: aromatic solvents, concentrated acids, chlorinated hydrocarbons.
- CE marked for EN 15651-1:2012 for facade.
- CE marked for EN 15651-4:2012 for pedestrian walkways.

APPLICATION AREAS

- For gluing window sills and slats.
- For mounting and sealing of various kitchen elements.
- For sealing joints in silos, storage tankers, containers, vacuum systems and compressed air networks.
- For gluing boards and roof covering.
- For gluing structures subject to vibrations.
- The product is recommended for sealing and repairing joints in rooms where mould can form.
- For sealing and gluing different materials in automobile and shipbuilding industry.

PREPARATION AND APPLICATION

Prior to use it is recommended to perform an adhesion test to verify adhesion of the sealant to the substrate.

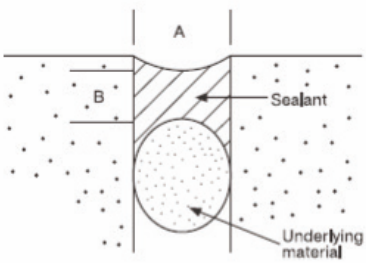
• SURFACE PREPARATION

- The surface of the joint must be dry, hard, clean, dust and fat free.
- Remove all separated and badly attached pieces.

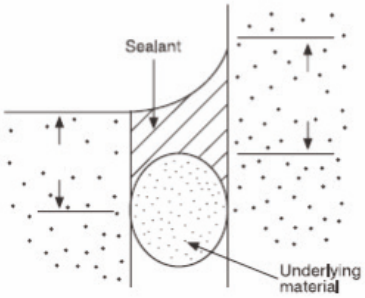
• JOINT AND CARTRIDGE PREPARATION

- If you want joints to look nice tape the edges with a masking tape.
- Cut the cartridge at the top and screw on the nozzle, which has to be cut according to the width of the joint and placed in the gun. During work interruption release the handle on the gun and pull the piston back.
- The sealant should be applied as evenly as possible.
- Remove the masking tape before the sealant starts to harden.
- Fresh sealant and tools can be cleaned with the thinner cleaner, hardened sealant should be removed mechanically first and then with a cleaner for hardened silicone.

Correctly executed angled joint
A:B = 2:1 (MAX 1:1)
A dimension: min 6 mm; max 20mm



Correctly executed angled joint



- At the end, use a smoothing instrument, or a smoothing agent soaped finger to level the sealant before the skin starts to form. It is very important to press the sealant well against the surface to be sealed.

Manufactured by SOUDAL GROUP

ISO 9001 2015 · ISO 14001 2015 · ISO 45001 2018

CE EN 15651-1 F EXT-INT-CC · CE EN 15651-3 S · CE EN 15651-4 PW-INT

GEV-EMICODE EC 1 PLUS very low emission

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SEALANT ADHESIVE

Joint length (mm)	Joint width (mm) 6	8	10	12	15	20
6	8,3	6,2	5,0	4,2		
8		4,7	3,7	3,1	2,5	
10			3,0	2,5	2,0	1,5
12				2,1	1,7	1,2
15					1,3	1,0
20						0,75

The table shows how many linear metres of joints we can seal with one 290ml cartridge relative to the width and depth of the joint.

Correct dimensioning of expansion joints

For optimal elasticity of a sealant the correct ratio width : depth is of extreme importance. The ratio is 2:1, 1:1 maximum. Sealant should not adhere to the bottom of the joint gap but only to its sides. This can be achieved with the use of Back filling tape. The minimum and maximum joint width is 6mm and 20mm, respectively.

• BONDING APPLICATION

- Apply adhesive in lines or dots.
- Fix the object on the desire position within 15 minutes after application of the adhesive.
- For heavier objects use additional support until adhesive hardens (curing time 2-3 mm/day 23°C, 50% rel. h.)

TECHNICAL PROPERTIES

Uncured sealant		
Basis		MS polymer
Form		paste
Curing mechanism		moisture curing
Specific gravity		1500 ± 10 kg/m³
Skin formation time	23°C/50% rel. humid.	20 - 30 min
Curing time	23°C/50% rel. humid.	2-3 mm/day
Application temperature		+5°C to +30°C
Hardened sealant		
Hardness Shore A	ISO 868	37-42
Change in volume	ISO 10563	< 1.5%
Tensile Strength	ISO 8339	1.1 – 1.4 MPa
Module E	ISO 8339	> 0.7 MPa
Elongation at break	ISO 8339	200-300%
Tensile Strength	ISO 37 rod 1	2.1 – 2.5 MPa
Elongation at break	ISO 37 rod 1	250-350%
Temperature resistance		-40°C to +90°C

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PACKAGING

Product	Volume	Package
Clear / White / Black / Grey	290ml	12
White / Black / Grey / Biege / Cream (Sausage)	600ml	20

SHELF LIFE AND STORAGE

18 months if stored in its original package, away from direct sunlight and moisture, between +10 ºC and +25 ºC

RESTRICTION

- The product be applied at temperatures between +5 ºC and +30ºC.
- The product can be applied directly from the cartridge/sausage.
- The surface can be slightly humid.

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in maccordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.