

TEKAFLEX

MS 40

PRODUCT DESCRIPTION

Tekaflex MS 40 is one-component sealant/adhesive based on hybrid MS polymer

PROPERTIES

- Excellent adhesion on various materials like: concrete, brick, wood, aluminium, iron, steel, stainless steel, copper, zinc, natural stone, marble, ceramics and various plastics
- Easy to apply even at low temperatures
- Does not slump in vertical joint
- Cured mass possess excellent mechanical properties
- Environment friendly: contains no solvents, isocyanate and silicones
- Chemically neutral and almost odourless
- Can be overpainted (not recommended with solvent based paints)
- Suitable for indoor and outdoor applications (UV, water and aging resistant)
- Chemical resistance:

Suitable for short time exposure to: aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis

Poor chemical resistance to: aromatic solvents, concentrated acids and chlorinated hydrocarbons

- Colour: grey, white, other colours on demand

USE

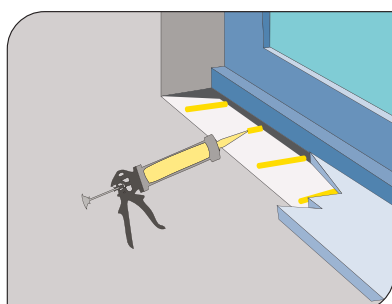
- For bonding, assembling and sealing of wide variety of materials
- For dilatation joints
- For elastic bonding in vibrating constructions
- For bonding and sealing of composite materials e.g. window frames and sills, doorsteps, construction boards, insulation materials, gypsum boards

STORAGE

12 months in a dry and cool storage place at temperatures between +5 °C and +25°C in the originally sealed package

PACKING

- 290 ml cartridges
- 600 ml sausages



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Strength and elastic



For internal and external use



Paintable

TECHNICAL DATA

Uncured sealant

Basis		MS polymer paste
Form		moisture curing
Curing mechanism		1500 ± 10 kg/m ³
Specific gravity		20 - 30 min
Skin formation time	23°C/50% rel. humid.	2-3 mm/day
Curing time	23°C/50% rel. humid.	+5°C to +30°C
Application temperature		

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

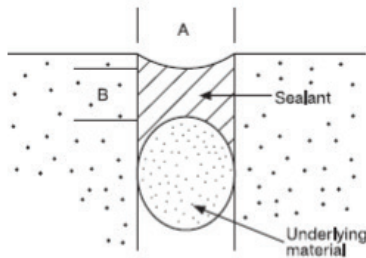
APPLICATION

- The product can be applied at temperatures between +5°C and +30°C
- The product can be applied directly from the cartridge/sausage
- The surface must be sound, clean and free of dust and grease.
- For better adhesion onto porous surfaces use appropriate primer.
- The surface can be slightly humid

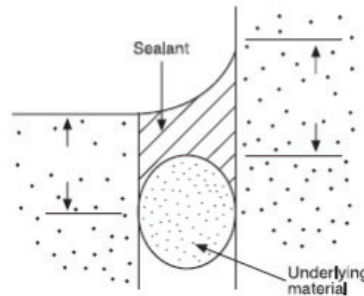
Sealing applications:

- in order to obtain clean surrounding of the joint use the tape to mask the surroundings

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



Correctly executed angled joint



- After the application of the sealant tool the joint with moist (soap water) sealant smoother or finger
- In the end remove masking tape

Bonding applications:

- Apply adhesive in lines or dots
- Fix the object on the desired position within 15 minutes after application of the adhesive
- For heavier objects use additional support until adhesive hardens (curing time 2-3 min/day 23°C, 50% rel. h.)
- Uncured product can be cleaned with alcohol; cured product can be cleaned mechanically

SAFETY PRECAUTIONS

There are no known safety issues concerning the Tekaflex MS 40.

ATTENTION

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended as a guide and are not constitutes of a specification. You should thoroughly test any application to be sure that the product corresponds to the required performances.