

INDUFLEX MS 5253

MS HYDBRID POLYMER SEALANT

Product Description:

INDUFLEX MS 5253 is a flexible, high strength sealant and adhesive that is suitable for wide range of applications including as joint sealant. INDUFLEX MS 5253 can be painted over with most acrylic and alkyd paints and is hazard free. The product can be used indoors or outdoors for sealing and/or bonding any materials.

Properties:

- Excellent adhesion to most common building materials like glass, aluminum, concrete, wood, vinyl, powder coated surfaces and many type of plastic.
- Paintable with water-based paints.
- INDUFLEX MS 5253 has good adhesion even under water.
- Movement capability + 35%
- Will not corrode metals
- Superior UV resistance compared to Polyurethane.

Areas of Applications:

- Wall panels.
- Glass (not recommended for PE, PP and Teflon (PTFE)).
- Stone and concrete.
- Many metals.
- Skirting boards.
- Windows sills.
- Thresholds.
- Insulations.

Technical Properties:

*Curing time (Skin over time & Tack Free Time) may vary depending on climatic conditions during application.

Test method	Properties	Unit	Specification Coloured	Specifications Clear
ASTM-C-679	Skin over time	Min	15	10
ASTM-C-679	Tack free time	Min	25	20
ASTM-D-1475	Specific gravity	g/cm ³	1.40	1.05
ASTM-D-2240	Hardness (Shore A)	points	55	50
ASTM-C-639-5	Depth Cure	Mm/24 hrs	3	3
ASTM-C-1184-05	Loss of weight (Shrinkage)	%	3	3
ASTM-C-639-5	Flow	mm	2	2
ASTM-679	Tooling time	Min	30	35
ASTM-C-603	Extrusion rate	g/min	250	280
ASTM-D-412 Tensile Properties after 7 days curing	M50	MPa	0.47	0.47
	M100		0.77	0.77
	Tb		3.19	3.19
	Eb	%	745	745
ASTM-D-412	Elongation approx.	%	500	500
ASTM-D-412	Young's Modulus	MPa	0.77	0.75
ISO-34-1-Method B	Tear Strength	kN/m	21	21
ASTM-C-679	Application temp	°C	5 up to 40	5 up to 40
ASTM-C-679	In service temp	°C	-40 up to 90	-40 up to 90
ASTM-C-1184-05	Shelf life	Month	18	18



Surface Preparation:

Ensure that the surface to be sealed is clean, dry, sound and grease free. Metals should be cleaned with a non-oily solvent-soaked clean cloth. Solvent should be wiped from the surface with a clean dry cloth. Use an alcohol such as methylated spirits on glass. When used on remedial work all existing sealant must be removed. Porous substrates such as concrete, brickwork, mortar etc. must be mechanically cleaned of loose particles using a steel brush, sanding disc or any similar means.

Application Preparation:

Cut nozzle at a sharp angle slightly wider than the desired bead. Extrude sealant with a gun and tool with a round spatula within 10 minutes to spread the sealant.

Storage and Shelf life:

When stored in original unopened container below 25°C INDUFLEX MS 5253 has a shelf life of 18 months from date of manufacturing. Storage outside these parameters may dramatically reduce its shelf life. Containers should always be kept sealed when not in use. After a container has been opened and the entire contents have not been used, extrude 3/8" of material pass nozzle opening. When ready to use, pull out cured plug. Sealant is ready to use.

Packaging:

INDUFLEX MS 5253 is available in 600 ml sausages. IINDUFLEX MS 5253 is available in Black, Clear and White color.

Limitations:

- No Shipping limitations
- Not for PE, PP, Teflon, Neoprene and bituminous surfaces.

Health & Safety:

- Direct contact of uncured sealant irritates the eyes and may irritate the skin.
- In case of contact with the eye, flush eyes with clean water for 15 minutes and seek immediate medical treatment. Do not handle contact lenses with sealant on hands.
- In case of skin contact, remove from skin and wash with water
- Do not inhale, use only in well-ventilated areas. Over exposure to vapor may irritate eyes, nose and throat.
- Keep out of reach of children.
- Wear suitable protective gloves and eye/face protection.

Please observe a valid Material Safety Data Sheet (MSDS).

Important Advice:

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

*Information on this data sheet is subject to change without notice and should not be used for writing specifications.