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iya 100% Silicone One part neutral cure silicone sealant

APPLICATION :

- For sealing and weather proofing
- Glass, windows frame
- Cladding joints

FEATURES :

- Good weather resistance
- Durability electrical insulating properties
- Applicable from -50°C to 150°C
- Almost no shrinkage
- Not paintable

DESCRIPTION :

iya 100% Silicone is one-component neutral (oxide) curing sealant. This sealant starts curing upon exposure to moisture in the air. It is extruded from the cartridge. Unlike conventional sealants, **iya 100% Silicone** gives off on acetic acid odour and is also suitable for use with various types of metal, concrete and stone, in addition to glass and tile. It is especially suitable for interiors because of the lack of odour.

TEST DATA :

Appearance	Paste
Tack Free time at 23°C	4 minutes
Slump	0 mm.
Hardness : type A	20
Tensile strength	1.3 Mpa
Elongation at break	550%
Tensile shearing Adhesive Strength Mpa (Aluminum/Aluminum)	1.1
Specific gravity	1.03
Movement capacity	±25%
After 7 days cure at 23°C 50% RH (Base on JIS K 6249)	

MEETS THE FOLLOWING STANDARDS :

- JIS A 5758 code regulation (F.G-30SLM)
- ASTM C920, Type S, Grade NS, Class 25
- GB/14683-93 8020 F,N
- BS 5889:1989, Type B

ESTIMATE SEALING LENGTH

Depth (mm)	Width (mm)			
	6	10	15	20
6	8 m			
10		3 m	2 m	1.5 m

Cartridge 300ml. No volume loss

MINIMUM AND MAXIMUM DIMENSIONS FOR SEALANT JOINTS

Joint dimension	Minimum (mm)		Maximum (mm)	
	Width	Depth	Width	Depth
Grazing joints	6	6	30	20

SURFACE PREPARATION :

Substrate surface should be thoroughly cleaned with a suitable solvent such as alcohol, xylene, or methyl ethyl ketone (MEK). Do not use soap, detergent or water. Wipe the surface dry. Sealant will not properly adhere to a wet substrate.

MASKING :

To obtain a neat sealant line, use masking tape

PRIMER :

A preliminary adhesion test of sealant on the substrate is recommended to ascertain proper adhesion. For difficult to bond substrates, use of primer p 14.

BACK-UP MATERIAL :

Do not apply sealant in direct contact with organic rubber such as chloroprene or EPT etc. Rubber closed to into back-up materials may stain the silicone sealant

APPLYING AND TOOLING SEALANT :

Cut nozzle to desired bead size, break the membrane film completely and extrude sealant in the joint. Tool immediately, within 5 minutes of application, with a spatula the sealant against the back-up material and joint surfaces. Remove masking tape immediately after tooling. Sealant will begin to skin on the exposed surface in about 10 minutes and cure will progress inward.

HANDLING AND SAFETY :

Wear eye protection when handling uncured sealant as it can irritate eyes. In case of eye contact, immediately flush eyes well with water and contact a physician. This product releases methyl ethyl ketoxime vapours as a by product of cure. Adequate ventilation must be maintained in the work place at all times. Extended contact with the skin may cause irritation and should be avoided. Not for food contact use.

SHELF LIFE :

1 year when properly stored
Store in cool, dry, dark place
Keep out of reach of children