

**Product Data Sheet**

**TIC 9030**

**Flexo Mortar**

**Description**

**TIC 9030 Flexo Mortar** is two(2) components putty type product which is consist of high elastic water based emulsion and water curable powder. It has good performance with the Concrete, Wooden Material, Steel and P.E.T. along with excellent adhesion.

**TIC 9030 Flexo Mortar** is ideal to use on the expansion joint part to avoid crack between different materials.

**TIC 9030 Flexo Mortar** contains no asbestos, lead, mercury or mercury compounds.

**Properties**

Property	Specification	Test method
Color	(Resin) Milky white / (Powder) Light gray powder	TSTM-01
Application	Brush, spray or roller	TSTM-06
Density	(Resin) 1.0 ± 0.02 Kg/ℓ / (Powder) 2.4 ± 0.1 Kg/ℓ	ASTM D 1475
Weight non-volatile	(Resin) 55 ± 2 % / (Powder) 100 %	ASTM D 1644
Coverage	(Resin) 0.66 Kg/m <sup>2</sup> / (Powder) 1.64 Kg/m <sup>2</sup> Dried film thickness: 1,000µm	TSTM-07
Drying time	Set to touch: 4 hours Dry through: 7 days	ASTM D 1640
Curing time for recoat	Water based coating– after 8 Hours Oil based coating – after 24 Hours (at 20 °C)	-
Water permeance	Impermeable at 0.3 N/mm <sup>2</sup> ≤ 0.4 Sd(m)	KS F 4919
Bonding strength	Standard - ≥ 0.8 N/mm <sup>2</sup> Inundation - ≥ 0.8 N/ mm <sup>2</sup>	KS F 4919
Tensile strength	Film only - ≥ 1.0 N/mm <sup>2</sup> With mesh - ≥ 10.0 N/mm <sup>2</sup>	KS F 4919
Elongation	Film only ≥ 50 %	KS F 4919
Alkaline resistance	No defected	KS F 4919
Cracking	No defected at -20 °C ~ 40 °C	-

**Limitations**

Store and apply between 4 °C (40 °F) and 38 °C (100 °F).

**Packing Information**

	Resin	Powder
Packing unit	8 Kg	20 Kg
Packing method	10 ℓ PVC Con't	Paper Bag
Mixing ratio	8	20

**Application**

**Material Preparation**

Surface areas where TIC 9030 Flexo Mortar is to be installed must be reasonably clean. Dust, scale and dirt should be removed and the surface applied should be flat. TIC 9030 Flexo Mortar resin should store in place avoiding direct sunlight and maintaining the temperature between 5 ~ 40 °C. TIC 9030 Flexo Mortar powder should store indoor keeping away from water and moisture, and do not store in open storage. Rest of mixed resin and powder should be disposed. Rest of resin and powder should seal keeping away from air, avoid direct sunlight, and store in between 5 ~ 40 °C.

**Application**

Apply TIC 9030 Flexo Mortar 2.3 Kg/m<sup>2</sup>(dry thickness: 1mm) and the mixing rate is resin : powder = 8 : 20.

Stir well with an electric mixer and apply it with brush, spray, and roller. When applying first coat in excess amount, it may be cracked. Allow the first coat to dry at least 24 hours and apply second coat. Applying top coat over TIC 9020 Insulating Mortar, recommend to dry it for 4 weeks. At least dry it for 7 days before top coat, but make sure to check its bonding state.

**Clean-up**

Clean equipment with clean fresh water before dries, and use hot soapy water, chlorinated solvent, or xylene (flammable) after dries.

**Note**

**Important:** We make no other warranties and expressly disclaim any warranties of merchantability or fitness for a particular purpose. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. Our acceptance of any orders for the product is expressly conditional upon purchaser's assent to the terms on the applicable invoice.

**Adequate Tests:** The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be perform by you to determine if this product meets all of your requirements. The warranted shelf life of our products is six months from date of shipment to the original purchaser.

**TIC CORPORATION**

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