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VINYL MASTIC

DESCRIPTION

The vinyl mastic is an insulating compound made of synthetic self-welding rubber, laminated on a PVC film and resistant to the elements. This material has been designed to insulate electrical devices, seal against humidity and fill in connections of up to 1.000v and up to 80° C. It is highly resistant to abrasion, humidity, alkali, and acids.

It does not corrode copper and resists weather inclemency and exposure to the sun.

GENERAL PROPERTIES

- PVC back with synthetic rubber mastic.
- Flexible in a wide temperature range (- 18°C to 80°C).
- Highly resistant to ultraviolet light.
- Easy to install. Provides maximum protection.
- Compatible with all usual cable insulations.
- Can be used indoors and outdoors.

FILM PROPERTIES (AVERAGE)

- PVC film resistant to the elements.
- Color: Black.
- Thickness: 0.150 mm
- Resistance to traction: 3.5 kg/m
- Elongation: 200%

MASTIC PROPERTIES

- Very stable synthetic rubber and resins
- Thickness: 1.95 mm

VINYL MASTIC PROPERTIES (ASTM D-1000)

- Thickness: 2.1 mm
- Adhesion: 2.2 kg/cm.
- Dielectric rigidity: 12.000 V/mm
- Width: 100 mm

USES

- Bolted connections.
- Cable down leads.
- Connections in traffic lights and street lighting.
- Protection in converter connections.
- Filling of bolted connections in connection bars.
- Protection in earth spike connections.
- Terminal protection.
- Cable terminal sealing.
- Damaged cable cover protection.
- Low tension electric joints protection (≤ 1.000 v), submersible in water.

REV 0



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INSTALLATION

The vinyl mastic is a material made of a PVC film resistant to the elements and a very thick mastic sensitive to pressure. It can be used with temperatures that range from -18°C to 38°C . The product does not degrade when exposed to the elements and it is compatible with all common cable insulations and joints compounds. If used in junction boxes or cable racks, connections must be covered with half superimposed flap with Professional PVC or 15 Plus insulating tape before applying the vinyl mastic.

If the connection is going to be underground or submerged in water, the product will have to be wrapped at least with 2 50% superimposed layers with Professional PVC or 15 Plus insulating tape. This is to protect the vinyl mastic from sharp edges or external pressure caused by heavy objects.

For compression line connections wrap spirally covering the insulation on each side at least 2.5 cm.

For line or T bolted connections cut the vinyl mastic with the desired measures.

- 1- Wrap the connector with PVC tape. Place the bottom of the connector in the centre of the mastic.
- 2- Fold one corner on the connector. Stretch it around the cable.
- 3- Cut with a knife and fold the other corner on the connector. Stretch it around the connector.
- 4- Wrap the connector with the remaining part.
- 5- Fold both corners around the cable so that the mastic flows outside the PVC.