P.A.R. Insulations & Wires Ltd
Foxwood Close
Foxwood Industrial Park
Sheepbridge
Chesterfield
Derbyshire
S41 9RB
United Kingdom
T: 01246 261 828
F: 01246 261 830
sales@par.uk.com
www.par.uk.com

TECHNICAL DATA

DOLPHON® X-206

Epoxy Adhesive & Insulating Resin

DESCRIPTION

X-206 is a two-part, 100% solids epoxy resin, which cures at room temperature. It has very good adhesion to a variety of substrates and is tough, but elastic and is resistant to strong mechanical shocks.
X-206 is resistant to water, alkalis, acids, mineral oils, solvents and a wide variety of chemicals.

APPLICATIONS

X-206 has been developed for the coating & encapsulation of transformers and other electrical and electronic devices to provide total protection against moisture and chemicals.
It is especially suitable to block the coils on top of transformers and inductors to prevent vibration and noise.
X-206 is also suitable for use as a general purpose adhesive, due to its very good adhesion to a wide variety of substrates.

PHYSICAL PROPERTIES	
Colour	Clear
Specific gravity, mixed 100 : 100 @ 25°C	1080 ± 20g/L
Viscosity, Brookfield, mixed 100 : 100 @ 25°C	10,000 - 15,000 cPs
Solids content	100%
Pack sizes	1 & 5 Kg
ELECTRICAL PROPERTIES	
Dielectric strength, ASTM D-115	400 Volts/0.025mm
Dielectric constant, 60 cycles	3.8
Dielectric constant, 1 megacycle	3.7
Dissipation factor, 60 cycles	0.023
Dissipation factor, 1 megacycle	0.015

APPLICATION

1. Mix X-206/A resin with X-206/B in the ratio of 100 : 100 by weight. Stir slowly to avoid the entrapment of air bubbles and ensure thorough blending of the two components.
2. Slowly pour the mixture along the sides of the mould or onto the component to be stuck.
3. As the mixture has a high viscosity, we suggest heating the mould or component to 40 - 50°C in order to help the flow and penetration of the resin into small cavities.
4. Cure as indicated below. We suggest curing @ 50 - 60°C when using as an adhesive in thin layers.

CURE & POT LIFE			
Pot life @ 25°C	60 - 70 minutes	Cure time @ 25°C	24 hours
Gel time @ 25°C	2 - 4 hours	Cure time @ 50 - 60°C	1 - 2 hours

HEALTH & SAFETY

Before use, please refer to Material Safety data Sheets (MSDS).