

# Thermal Memory Ltd

6 Dodd Croft  
Rochdale OL16 4QX  
Gtr. Manchester  
Great Britain

Website : [www.shrinkfit.co.uk](http://www.shrinkfit.co.uk)

E-mail : [shrinkfit@gmail.com](mailto:shrinkfit@gmail.com)

## TWO Part POI yurethane Resin Pack

### 2-PRP

### Features

The pack has been specifically designed and fabricated by Thermal Memory to offer the user a quick, clean and efficient method of mixing and pouring.

The pack consists of a two part polyurethane resin correctly proportioned into pouches separated by a divider.

The user simply breaks the divider, amalgamates the two components and pours.

Dual system of packaging ensures that the pack is sealed against the atmosphere.

The outer aluminium packaging provides added protection against the atmosphere to give a shelf life of 2 years.

The inner transparent plastic packaging provides a visible reference for the user when mixing.

During mixing the user does not come into contact with the resin but gloves are provided for extra safety.

Each pack has its own unique batch number and use by date to provide an easy reference for the user.

Full safety labelling.

Controlled curing temperature designed to be compatible with PVC, XLPE, EPR, Polythene and PILC cables.

Odour free.

Detailed storage instructions.

No special labelling required for transportation by Road, Sea or Air.

Designed to meet requirements of BS 7888-3:1998 and CENELEC HD623 S1.



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## Technical properties

	Resin	Hardener	Mixed
<b>Colour</b>	Black	Brown	Black
<b>Specific gravity (gm/cubic cm)</b>	1.58	1.23	1.51
<b>Viscosity (Poise)</b>	70-100	1-2	50-60
<b>Gelation Time</b>	20 - 30 minutes 200 gram mass @ 21 degree C		
<b>Full Cure</b>	24 hours @ 23 degree C / 1 hour @ 80 degree C		
<b>Shelf Life</b>	2 years when stored between 10 - 25°C. Packaging must remain in tact.		
<b>Peak Exotherm</b>	75.2 degree C based on 5 LTR placed in a container 200mm diameter conditioned at 21 degree C. Measurements are taken at 5 minute intervals at the centre of the resin mass.		
<b>Thermal Conductivity</b>	0.46W/mk		
<b>Tensile Strength</b>	47 MPa		
<b>Shore Hardness</b>	80 A		
<b>Elongation</b>	40%		
<b>Dielectric Strength (Solid)</b>	Greater than 5MV/m		
<b>Operating Temperatures</b>	Provided resin is mixed correctly based on a static environment with gradual rise and fall in temperature is -40°C to +110°C.		
<b>TYPES</b>	<b>USEABLE VOLUME OF PACK</b>		
<b>PC 5581</b>	200mls, 450, 500, 1,000, 1,200, 1,500 and 2,000mls		
<b>Health &amp; Safety</b>	Each pack contains mixing instructions and carries health and safety warnings in accordance with BS 7888:1998.		
<b>Transportation</b>	No special labelling required for shipments by Air, Sea or Road.		