

Premcote 1000R Tropical

Tough, cold-applied laminate tape

Composition

Premcote 1000R Tropical is comprised of synthetic fibre fabric impregnated and coated with polymer modified bitumen compound laminated to thick PVC sheeting. The compound surface is protected by a plastic film interleaving which is discarded during application.

Uses

Premcote 1000R Tropical is used for the protection of buried or sub-marine pipes, welded joints, bends and fittings. The combination of PVC backing and fabric reinforced polymer bitumen compound makes it extremely resistant to damage by sharp objects e.g. poor backfill. It is suitable for application by hand or machine on medium to large diameter pipes.

Service Temperature: -10°C to +60°C
Short-term peak temperature +75°C

Characteristics

Premcote 1000R Tropical is:

- Suitable for use on pipelines,
- Resistant to cathodic disbondment, and
- Resistant to acid, alkali and salts.

Surface Preparation

See *Instructions for Use* for additional detail.

Surface Preparation: Blast clean to Sa 2, Sa 2 ½ or hand tool clean to St 3

Primer

Premcote Primer

Application

See *Instructions for Use* for additional detail

Refer to leaflet 296 enclosed in each carton

Application Temperature: +18°C to +50°C

Testing

Ensure the application has:

- Sufficient tension,
- No creases or folds, and
- Sufficient overlap.

If holiday testing is required, the recommended voltages are:

- 10 kV for a single layer
- 15 kV for a double layer

Availability

Premcote 1000R Tropical is available in 10 m rolls from 50 mm to 300 mm widths.

Additional sizes may be available on request

Storage conditions

Store in a cool and dry place in original packaging.

Waste material

Please apply the waste hierarchy to avoid or minimise waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.

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Typical Properties

| Property | Value | Method | Tolerance |
|---|--|---------------------------------------|--------------------------|
| Total Thickness | 1.85 mm | ASTM D1000 | ± 0.25 mm |
| Length of roll | 10 m | | -0, +0.25 m |
| Weight | 2.15 kg/m ² | | ± 0.20 kg/m ² |
| Elongation at break at 23°C at 40°C | 22% 22% | ASTM D1000 | Minimum 15% - |
| Breaking strength at 23°C at 40°C | 10 N/mm 5 N/mm | ASTM D1000 | Minimum 8 - |
| Modulus at 10% extension at 23°C at 40°C | 8 N/mm 4 N/mm | ASTM D1000 | |
| Adhesion peel strength to primed steel at 23°C at 40°C to self at 23°C at 40°C | 4 N/mm 0.4 N/mm 3 N/mm 0.3 N/mm | ASTM D1000 (24 hr) | 3.0-5.0 2.0-4.0 |
| Tear strength at 23°C | 75 N | ASTM D1004 | ± 5 |
| Breakdown voltage Single layer at 23°C Double layer at 23°C | 20 kV 40 kV | ASTM D1000 | minimum |
| Insulation Resistance at 23°C | 10 ⁶ MΩ | | |
| Impact Resistance (double layer) at 23°C at 40°C | 10 Nm 5 Nm | ASTM G14 | ±2 |
| Indentation Resistance (double layer) residual thickness at 23°C at 40°C continuity at 15kV after indentation at 23°C at 40°C | 0.8 mm 0.5 mm PASS PASS | DIN 30672 Pt 1 CLASS C | |
| Cathodic disbondment resistance | 15 mm | ASTM G8 Method A, 30 day radius | 20 mm maximum |
| Water Vapour Transmission (double layer) | 0.55 g/m ² /day | ASTM E96 32°C, 50% RH | |

Important: Premier Coatings Ltd. pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request. Premier Coatings Ltd operate a Quality Management System registered to BS EN ISO 9001 (BSI Certificate no. Q09303) and an Environmental Management System registered to BS EN ISO 14001 (BSI Certificate no. EMS 677780).

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