

**TECHNICAL DATA SHEET**

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**004/01**

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**Product**

TECHNIC RL

It gives good bond strength with all fibres like cotton, rayon polyamide and polyester.

**Classification**

Single Component Dry Bonding Agents.

In case of steel cord brass and zinc coated cords, it gives more adhesion than the uncoated cords.

**Composition**

A pre-condensed product mix of Resorcinol and Hexa Methoxy Methylol Melamine (HMMM).

Due to its liquid form it is mixed homogenously throughout the compound providing uniform adhesion. Curing temperature preferred in between 135 – 170 oC

**Physical Properties**

Form : High Viscous Liquid  
Colour : Orange - Red Brown  
Sp Gr @ 25°C : 1.20

**Technological Properties (Usage)**

TECHNIC RL can be used as a single component Dry Bonding System for bonding different rubber compounds with steel cord, polyamide fibres, polyester and glass cords. It offers a balanced combination of good adhesion and excellent flex fatigue resistance. Typical application includes Conveyor, Hoses, V-Belts & Fabric proofing.

**Chemical Properties**

Nitrogen Content : 10 - 12  
Refractive Index : 1.57 +/- 0.03

**Solubility**

Water : Partially soluble  
Alcohol : Soluble  
Ketones : Partially soluble  
Aromatic Solvents : Insoluble

**Handling precaution**

Standard protective equipment to avoid contact with skin and eyes should be used during handling. May be irritating to eyes and skin. Washing with plenty of water is advised to be followed by a medical check-up. Refer MSDS for more details

**Storage Properties & Shelf Life**

TECHNIC RL is a high viscous product which has a tendency to solidify on exposure to heat. It must be protected from exposure to direct sunlight and relative humidity. The product should be stored in a cool dry place

**Packaging**

25 kgs net weight packed in Steel / Plastic drums

**Processing Behavior**

It is safe in processing.

**Shelf Life**

12 months from the date of manufacturing

**Recommended Dosage**

Between 4 to 6 phr is normally recommended for the Dry Bonding System.

**Advantages**

TECHNIC RL is a pre-condensate of Resorcinol and HMMM. It is a single component system, thus no need to add any other Methylene / Resorcinol Donor separately into the rubber compound. The product is compatible with all rubbers. Best results are obtained with polar rubbers.

Note:

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**TECHNO WAXCHEM PVT. LTD.**

5<sup>th</sup> Floor, Hitech Chambers, 84/1B, Topsia Road(S), Kolkata – 700 046, WB, India

Tel: +91 33 2285 1278 / 1279, 4004 8093 / 88094

Fax: +91 33 2285 1280. Email – [info@twc.in](mailto:info@twc.in). URL – [www.twc.in](http://www.twc.in)