

**TECHNICAL DATA SHEET**

**Issue No**  
**004/01**

**Revision Date**  
**01.10.2022**

**Product Name**

TECHNIC® B25S

**Classification**

Dry Bonding Agents.  
Modified Alkyl Phenol Formaldehyde Resin  
Resorcinol Donor / Methylene Acceptor

**Composition**

Modified Alkyl Phenol Formaldehyde Polymer

**Physical Properties**

Form : Pastilles  
Colour : Dark Red - Brown  
Specific Gravity @ 25°C : 1.24 (Typical)

**Chemical Properties**

Softening Point (°C) : 90 – 105  
PH (50% alcohol sol<sup>n</sup>) : 4.0 – 6.0  
Moisture Content : 0.7% max  
Ash Content @ 850°C/1hr : 0.1% max

**Solubility**

Water : Partially Soluble  
Alcohol : Completely soluble  
Ketones : Completely soluble  
Aromatic Solvent : Insoluble

**Storage Properties**

TECHNIC B25S is comparatively very less hygroscopic in comparison to other resorcinol formaldehyde resin. Although for best results it must be protected from exposure to relative humidity. The resin should be stored in a cool dry place. The resin is stable for one year in protected as per directions above.

**Processing Behavior**

It is safe in processing.

**Recommended Dosage**

Between 3 to 4 phr is normally recommended for the Dry Bonding System.

**Advantages**

It has low vapour pressure, thus, the fuming and weight loss that occur with processing resorcinol at high temperatures is nil with the usage of TECHNIC B25S.

**Technological Properties (Usage)**

TECHNIC B25S can be used as a resorcinol component of the Dry Bonding system for adhesion of synthetic tyre cord and brass plated tyre cord to rubber. It offers a balanced combination of good adhesion and excellent flex fatigue resistance in conjunction with methylene donors like formaldehyde, Hexamethylenetetramine and Hexamethoxymethylolmelamine Resin through formation of an in – situ resin. The product contains nil formaldehyde.

**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

**Packaging**

Packed in 25 kg net weight HDPE laminated kraft paper bag.

**Shelf Life**

The resin is stable for 2 (two) years from the date manufacturing. It should be stored under recommended conditions.

**Note:**

Information in this publication is believed to be accurate and is given in good faith, but it is for the customer to satisfy itself of the suitability for its own particular purpose. Techno Products India gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that law prevents such exclusion.

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