

T.C. 703 Metal Conditioner

DESCRIPTION

T.C. 703 is an extremely versatile product that can react with a wide variety of organic and inorganic materials. Its unique ability as a coupling agent has been proven in an ever-increasing number of applications, ranging from adhesives to printing inks to foundry binder resins. The benefits that T.C. 703 can impart to these end-use applications are highlighted below.

END-USE APPLICATIONS

BENEFITS

Adhesives	Moisture initiated crosslinking of resins, improved wet adhesion, weatherability and filler/resin coupling
Coatings	Moisture initiated crosslinking of resins, improved wet adhesion, corrosion resistance, weatherability, pigment dispersion and scrub
Crude Oil Extraction	Consolidation of down-hole fines
Fiberglass	Fiber/binder coupling for improved resiliency of insulation batts; fiber/resin coupling for improved composite wet strength, wet electrical properties, and improved fiber strand integrity, protection and handling
Filler Treatment	Improved filler/resin coupling and filler dispersion in thermoset and thermoplastic resins
Foundry	Sand/resin coupling for improved foundry core Strength
Polymer Modification	Moisture-cure crosslinking to give improved environmental resistance
Printing Inks	Improved adhesion, release and wetting

END-USE APPLICATIONS**BENEFITS**

Rubber and Elastomers

Mineral/resin coupling for improved composite wet strength, toughness, abrasion resistance, rolling resistance, and wet electrical properties and rheology control

Sealants

Moisture initiated crosslinking of resins, improved wet adhesion, filler dispersion, weatherability and rheology

Textiles

Altered textile hand and water repellency, and improved dye receptivity

APPLICATION GUIDELINES

The choice of a T.C. 703 is specific to resin type and application. The following selection guide is provided to help you select the appropriate T.C. 703 for various polymer (resin) systems. It should be considered merely a starting point. The selection of the preferred silane for a specific end-use application may require specific experimentation.