

ChangFu® NCO33

3-Isocyanatopropyltriethoxysilane



Description ChangFu® NCO33 is an isocyanate silane coupling agent with high functionalities. It combines the functionality of isocyanate group and ethoxy groups. In the presence of hydrolysable alkoxy groups, it can form a reactive silanol structure and enhance adhesion and durability in a variety of applications like paintings, coatings, sealants, and adhesives.

Features & Benefits Bifunctional silane coupling agent.
Highly reactive. Selectively suitable for moisture curing system.
Coatings with improved anti-corrosion properties can be obtained.
Significantly enhance the thermal stability for polyurethanes, amines, and epoxy.

Applications Used as a resin terminator and polymer modifier in the preparation of silane-terminated polymers (MS polymers) and silyl-modified polyurethane polymers (SPUR polymers).
Used as a coupling agent to promote adhesion and a surface modifier to enhance fillers dispersion in coating and sealants.
Used as a crosslinker of RTV and improve the bonding between rubber and substrates.
Used in the synthesis of urea functional silanes and azide functional silanes.

Typical Properties

Description	3-Isocyanatopropyltriethoxysilane
Product No.	ChangFu® NCO33
CAS No.	24801-88-5
Formula	C ₁₀ H ₂₁ NO ₄ Si
Purity	min 97%
Color	Colorless or light yellow
Appearance	Clear liquid

Package Offered in 25L PE pails and 200L PVF steel drums.
Custom packaging is available.

Storage Stored in a cool, well-ventilated place.
Keep container tightly closed.

Transportation See the corresponding Safety Data Sheet.