SILANOX™ 570 ACRYL SILANE

3-Methacryloxypropyltrimethoxysilane

CAS Number: 2530-85-0
Chemical Formula: $C_{10}H_{20}O_5Si$

PRODUCT DESCRIPTION

SILANOX™ 570 Acryl Silane is a clear, colourless methacrylate-functional organosilane used as a coupling agent, adhesion promoter and surface modifier. It enhances bonding between inorganic materials, such as mineral fillers, and organic polymers, including acrylic, epoxy and polyurethane resins. The product can also function as a comonomer in polymer synthesis and as a crosslinking agent in coatings, adhesives, cementitious materials and sealants. It is soluble in alcohols and aliphatic or aromatic hydrocarbons.

KEY FEATURES

- Promotes adhesion between inorganic and organic materials
- Improves compatibility between mineral fillers and polymer resins
- Enhances wet and dry tensile, flexural and compressive strength
- Provides coupling functionality for improved composite performance
- Compatible with phenolic and other resin solutions

APPLICATIONS

- Adhesives and sealants
- Cementitious construction materials
- Automotive components and materials
- Protective and industrial coatings
- Electronic coatings
- Polymer composites and reinforced materials

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

PARAMETER	SPECIFICATION
Physical Form	Clear liquid
Colour (Pt-Co)	≤30
Specific Gravity (20°C)	1.043–1.053
Refractive Index (25°C)	1.4285–1.4310
Purity	≥98.0%

PACKAGING

Available in 200 kg steel drums and 1,000 kg IBCs. Other packaging options may be available upon request.

STORAGE & HANDLING

Store in a cool, dry and well-ventilated area. Keep containers tightly sealed and protected from moisture, rain and direct sunlight.
Shelf life is 12 months when stored under recommended conditions.

SAFETY

Handle in accordance with good industrial hygiene practices. Avoid contact with skin and eyes and inhalation of vapours. Use appropriate personal protective equipment during handling. Refer to the current Safety Data Sheet (SDS) for detailed safety, handling and disposal information.