



DongGuan SailAdditive

Product technical documentation (TDS)

S-410 Silicone Leveling Agent

Structure or Component: Polyether-modified polydimethylsiloxane copolymer

Features and Applications: Functioning similar to TEGO410, this premium silicone additive is a versatile leveling and slip agent. It is characterized by its excellent compatibility and ability to provide a smooth, high-slip finish across diverse chemical systems, including aqueous, solvent-based, and UV-curable resins.

Notably, it enhances surface toughness—improving scratch and wear resistance—while preventing surface defects like pinholes. Its specialized formulation ensures it does not interfere with recoating. Primary applications include high-end wood, automotive, and leather finishes, as well as industrial coatings and printing inks.

Technical data

Exterior:	Light yellow to amber transparent liquid
Viscosity (25°C , mm ² /s)	500-1000
Density (25°C)	1.430-1.440
Non-volatile matter content (120°C/2h , %)	>97

Application and addition amount:

Applications:

Coating Auxiliary Agents, Electronics Chemicals, Leather Auxiliary Agents, Paper Chemicals, Petroleum Additives, Rubber Auxiliary Agents, Surfactants, Textile Auxiliary Agents, Water Treatment Chemicals, Industrial paint

Usage & Dosage:

Recommended Dosage: * Standard: 0.05% – 0.5% of the total formula, UV & Water-based: 0.3% – 1.0% of the total formula.

Incorporation: Add during the paint mixing stage to ensure optimal distribution

Package: 25L/Barrel or 200L plastic/steel Barrel.

Store: Store in airtight container for 24 months, Store in a cool, dry place.

Transportation: transport as non-hazardous chemicals.

Special Note: Special Note:

The technical parameters provided in this document are typical values for reference only and are not intended as product acceptance standards. Changes may be made without notice. Due to differences in usage conditions, we cannot guarantee the correctness and applicability of the product for certain uses and purposes, and do not assume any liability for any direct, indirect, or accidental losses arising therefrom. Users should conduct relevant tests or consult our technical staff before using the product