



DongGuan SailAdditive

Product technical documentation (TDS)

S-510 Leveling Agent

Structure or Component: Special polyether-modified polymer

Features and Applications: This high-performance specially modified polyether-modified polymer is a premium flow and leveling aid designed for superior substrate wetting across solvent-based, solvent-free, and waterborne coatings. It is engineered to significantly enhance Distinctness of Image (DOI) and surface gloss, ensuring exceptional clarity and fullness of the paint film without the risk of haze, blue tint, or reduced light transmittance. Due to its excellent compatibility, this additive does not migrate or float, making it ideal for both transparent and pigmented systems. Furthermore, it maintains the structural integrity of the coating, ensuring that even multiple recoatings remain free of turbidity or cloudiness. Whether used in high-gloss topcoats or industrial finishes, it provides a flawless, high-brilliance result while ensuring consistent recoatability and long-term stability.

Technical data

Exterior:	Light yellow transparent liquid
Viscosity (25°C , mm2/s)	100-300
Density (25°C)	1.440-1.450
Non-volatile matter content (120°C/2, %)	>97

Application and addition amount:

Applications:

Car OEM coatings.

Car repair coatings.

Usage & Dosage:

Recommended Dosage: * Standard: 0.05% – 0.5% 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