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BS-1C-A13

Rheology Modifier for Solvent-Borne and Solvent-Free Systems

GENERAL INFORMATION

BS-1C-A13 is a self-activating organophilic phyllosilicate suitable for use in a broad range of coatings systems including epoxies and unsaturated polyesters. BS-1C-A13 imparts excellent sag resistance, pigment anti-settling and viscosity control properties.

ADVANTAGES

- Easy to incorporate – no need for a chemical activator
- Higher bulk density vs. pyrogenic silica requiring less storage space and fewer bags to handle
- Easy, dust free dispersion, especially in styrene and high polarity solvent systems
- Superior shear-thinning vs. traditional rheology modifiers

PHYSICAL PROPERTIES

Composition	Amine-treated phyllosilicates
Color/Form	Pale yellow, free flowing powder
Bulk Density	50-110 g/L
Moisture	<8.0%

RECOMMENDED USE

- Paints & coatings (deco, underbody, marine, UPR, water-soluble)
- Unsaturated polyesters
- Solvent-free epoxies
- Plastisols
- Adhesives, caulks, and sealants
- Greases

INCORPORATION

BS-1C-A13 does not require heat or a chemical activator to reach the proper activation. BS-1C-A13 can be incorporated directly into the resin. However, in unsaturated and vinyl esters systems, preparation of an 8-12% pregel in styrene is recommended to achieve optimal efficiency. For post-adding BS-1C-A13 high shear is required.



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RECOMMENDED LEVELS

BS-1C-A13 is typically used at levels of 0.2% - 0.6% by weight of the system, depending upon the degree of thickening or other properties desired. In certain systems such as unsaturated polyesters, higher levels of 1% - 6% are recommended. Laboratory testing is recommended to determine optimal level.

HEALTH AND SAFETY DATA

Before handling this material, read the corresponding Safety Data Sheet (SDS) for safety, health and environmental data.

SHELF LIFE

Maintain BS-1C-A13 in a cool dry place below 40°C (104°F).

CERTIFICATIONS

ISO 9001 Quality System, ISO 14001 Environmental Management System, ISO 18001 Safety System



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