Surfynol® MD-610S Defoamer

Description

Surfynol MD-610S defoamer is a highly effective powder defoamer designed to eliminate air entrapment in cementitious based products for the construction industry.

The unique chemistry of Surfynol MD-610S defoamer combines the benefits of fast-acting defoaming with long-lasting deaeration at a molecular level.

Surfynol MD-610S defoamer enables the fast escape of entrapped air while incorporating water and during mixing. The resulting cementitious compositions exhibit enhanced flow, excellent self-leveling, reduced air content and a smooth and defect-free hardened surface. Surfynol MD-610S defoamer is universally applicable for use in both neutral and alkaline systems.

It can be used with all other powder components or in association with cement, emulsion and powder polymers, hydrocolloids, fibers and water repellents.

Features and Benefits

- Fast-acting and long-lasting deaeration
- Enhanced flow and self-leveling
- Defect-free surfaces
- Effective at low concentration level
- Wide compounding latitude
- Good long-term storage stability
- Limited dust release
- Free flowing powder defoamer
- Silicone-free and APEO-free
- REACH compliant
- Suitable for EMICODE emission class EC 1 PLUS systems

Applications

Cement based:

- Self-leveling underlayments/overlayments
- Screeds
- Repair mortars
- External thermal insulation
- Jointing mortars
- Grouts
- Tile adhesives
- Renders
- Oilfield cementing

Typical Properties

Composition	Non-ionic character
Appearance	Free flowing powder
Color	White
Apparent density	Approx. 660 g/L
Dust classification	St-1
Solubility in water	Hydrophobic active ingredient, dispersible in water
Dosage recommendation	0.05%–0.1%

Other applications:

- Powder coating and master batches
- Redispersible powders
- Agrochemicals
- Inks and adhesives

Recommended Use Level

Surfynol MD-610S defoamer can be blended with the other solid ingredients of the formulation in conventional powder mixers or post-added. Recommended dosage range of Surfynol MD-610S defoamer:

- For self-leveling underlayment: 0.05-0.10 wt % based on dry blended formulation.
- For other cementitious systems: 50-100 wt% of current powder defoamer level.

Storage and Handling

Surfynol MD-610S defoamer is a non-perishable, non hygroscopic product and is not sensitive to freezing. It should be stored under dry and clean conditions between -10 °C and 50 °C.

Shelf Life

12 months from the date of manufacture.

Additional Product Information

Link to MSDS Library

tell me more

For more information, please contact us at:

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