SILICA-BASED RHEOLOGY CONTROL ADDITIVES

AEROSIL® E for Easy-to-disperse (E2D)











Future AEROSIL® generation

Based on an innovative and unique process technology we expand our AEROSIL® portfolio with four new products, which can be easily incorporated into coating formulations. Still focusing on exceptional rheological performance and improved scratch & abrasion resistance:

The new AEROSIL® E grades.

- New Easy-to-disperse AEROSIL® grades can be fully dispersed using a dissolver (no need for a bead mill)
- New grades based on traditional hydrophobic AEROSIL® grades

New AEROSIL® E grades:





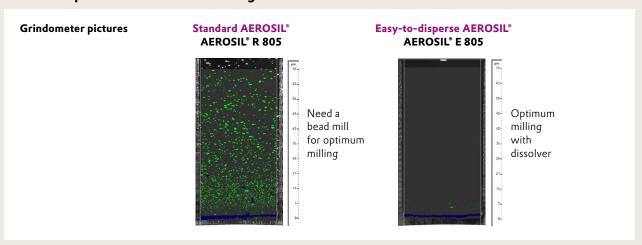


Benefits of AEROSIL® E grades

- · Can be fully dispersed e.g. using a dissolver
- · No need of high-shear milling step e.g. with bead mill
- Sustainability: Save of production time and energy
- Same rheological performance like the traditional grades
- Compatible to the coating system like the traditional grades
- Rheology adjustment by post-addition possible
- Use in pigmented and brilliant clear top coats, solventand water-based
- Suitable for all kinds of end-applications for Industrial & Transportation Coatings, Decorative Coatings and Inks

Standard coating process Innovative coating process with Easy-to-disperse AEROSIL® Raw materials Preparation of pre-dispersion Pre-dispersion Easy-to-disperse 2 **Dispersion** Homogenization and milling step by dissolver 2 **AEROSIL®** Grinding 3 **Let down stage** Completion and fine tuning **Let down stage** Completion and fine tuning 3 4 Final coating 5 Final coating

Perfect dispersion of new AEROSIL® E grades with dissolver



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