

Abstract ECS 2023 Product Presentation

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SIVO 240 - a new silane based co-dispersant for high solid and solvent free epoxy-coatings

The solvent-free epoxy systems are very often used for anti-corrosion coatings. They offer good performance with low VOC. The pigments and filler, on the other hand are used to improve corrosion protection and mechanical properties while optimizing the cost. When it comes to high solid content, the viscosity control is very important. The dispersants are important pigment stabilizer and helps with viscosity reduction. The polymer dispersants are typically used but they can reduce the anti-corrosion properties. Therefore, new approaches are required to optimize viscosity without impairing the corrosion protection properties of epoxy coatings. For this reason, a novel silane was developed which achieves an outstanding viscosity reduction and improves the corrosion protection. VPS 240 is a new silane based co-dispersant for high solid and solvent free epoxy-coatings.