

**ECS 2023**

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**When appearance meets functionality – wetting and dispersing additive for water-based protective coatings**

In water-based protective systems, the hydrophilicity of the system is a challenge as it may lower the functional performance of the coating such as corrosion resistance. Special wetting and dispersing additives have been developed that show no negative influence on water sensitivity. However, they are limited to inorganic pigments. But what to do if brilliant colors are desired and organic pigments are used? How to combine both functional performance and appearance? This presentation will introduce a wetting and dispersing additive that not only deflocculates and stabilizes pigments, but also offers functional properties.