

## **Next generation ultra-matt PUD for 1K and 2K water-based coatings**

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The need for a matt coating may arise from two different reasons:

- 1) It can be a performance requirement: for example, the floor of a large public area such as an airport terminal must be matt to avoid uncomfortable reflections from lights on the ceiling.
- 2) Aesthetics or perceived quality: for certain applications and markets, consumers associate matt finishes with a higher-end products.

Whatever the reasons are, quality of the coating must be kept, and this is a challenge for the R&D chemist as well as the coating formulator.

Traditional matting agents such as silica, micronized waxes or beads show a high specific matting power, but also some disadvantages either for the formulator, the applicator or the final user.

This paper focusses on two matting polymers, Relca PD-805 and Relca PD-817. The properties that they provide, such as matting effect, adhesion, chemical resistances or scratch resistance are studied in 1K and 2K formulations.