



New carboxylic-functional ultramatte binder for 2K systems with carbodiimide for high performance coatings

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Stahl has developed a new solution for coatings for wood and composite materials, with matt appearance and high chemical, mechanical and polishing resistances called Relca® Matte WD-3620. From the starting point of Polymatte® technology (matt polyurethane dispersions), carboxylic functionality has been optimized in order to offer a 2-component system together with RelcaLink® polycarbodiimide crosslinkers.

Both components of this system, Relca® Matte y RelcaLink®, have low VOC content and are free of hazard labels and risk phrases.

The new system was compared with a standard polyurethane dispersion combined with a silica matting agent. Several properties of the resulting coating, like transparency and resistances to chemicals, scratching, rub and blocking, were assessed.