

Low VOC TEA free High Solids PUDs for Wood: Turboset™5000HS

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Abstract: Turboset™5000HS a novel High solids polyurethane dispersion.

High-solids polyurethane dispersions (HSPUDs) have historically only been used for flexible applications or adhesives due to their relative softness and high viscosity. The highest attainable solid content for waterborne polyurethane dispersions is lower than what can be achieved by acrylic emulsion. In this product presentation, we prove how a novel technology innovation can be used to make high-solids waterborne polyurethane dispersions with over 50% solid content, approaching the limits of acrylic emulsions and providing a perfect balance between hardness, chemical resistance, low viscosity, and environmental sustainability for wood coating applications.