

Abstract ECS 2023 Product Presentation

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Multi-functional polycyclic Mannich Base for epoxy coatings

Following the current megatrends in the coatings industry targeting increased efficiency and improved EH&S profile, Evonik has developed a new amine hardener for epoxy coatings in the marine, oil & gas and general industrial industry. The new development product is a multi-functional Mannich base which offers fast cure speed and high carbamation resistance even at low temperatures and does not contain formaldehyde or free phenols. As a multi-functional crosslinker, Ancamine® 2836 curing agent provides high cross-link density and therefore increases glass transition temperature and chemical resistance of epoxy systems. In addition, the new building block is very robust offering long potlife and can be used both as sole curative or modifier for high solids and solvent-free systems.

