

Recent Developments in Pat-Add additives complete high performance Waterborne

DTM formulations.

Summary:

Waterborne Direct-to-Metal applications find increasing market acceptance. Recent developments in Patcham coating additives contribute to meeting market demands for performance and enable to reach highest quality standards.

Patcham's expertise in surface chemistry and in waterborne coating formulation stands at the basis in finding solutions for upgrading features of waterborne DTM coatings, such as coating-substrate interactions, completing deaeration and realization of desired application as well as flow and film formation characteristics.

The newly introduced Pat-Add additives contribute to following improvements:

- As to coating-substrate interaction: Pat-Add RU 02, reduces risk of flash-rusting and rust-bleeding
- Surface tension control: Pat-Add SU 4, combining high dynamic interfacial tension adjustment, with deaeration
- As to deaeration: Pat-Add AF39, also during manufacturing and film application
- Pigment dispersion and shelf stability: Pat-Add DA 401, hydrophobic polyelectrolyte, for agglomerate free dispersion
- Rheology-, film formation control: Pat-Add RHEOL 100, liquid associative, for high shear robustness, flow and levelling, at optimal film compatibility

Keywords: additives, waterborne DTM coatings, Patcham