dextrol™ & strodex™ surfactants

how to control the paint structure for optimal application properties?

Associative polymeric thickeners may in certain conditions create a strong structure build due to excessive hydrophobic interaction of the rheology modifiers with binders and/or other hydrophobic components in the paint.

This structure build (sometimes described as "gloppy" or "gel-like" structure) can reduce the flow of paints during and after application. Ultimately this may result in poor paint film appearance and hiding.

Dextrol™ and Strodex™ surfactants can be used to reduce associative rheological effects of such rheology modifiers and therefore reduces structure build to better suit the paint to the needs of the formulator.

PVC 70% wall paint based on styrene acrylic containing 0.40% w/w Natrosol™ Plus 550 HMHEC

reference

compact, gel structured, poor flow

0.5% Dextrol™ OC-180 HS surfactant

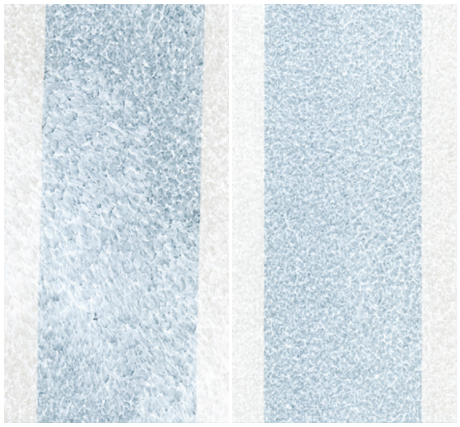
non structured, free flowing

PVC 70% wall paint based on styrene acrylic containing 0.40% w/w Natrosol™ Plus 550 HMHEC

reference

compact, gel structured, poor flow

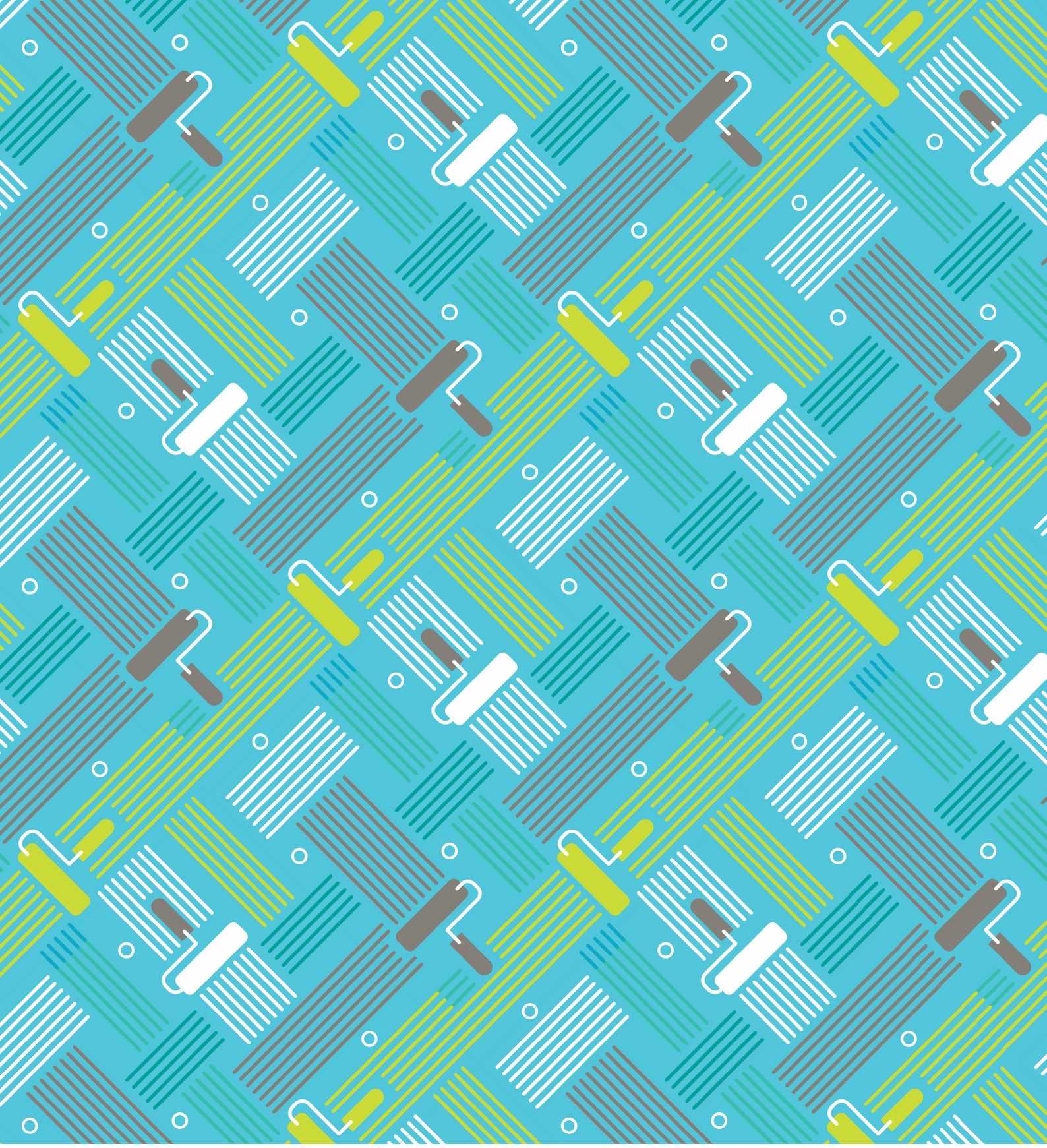
uneven and difficult application of the paint



0.5% Dextrol™ OC-180 HS surfactant

non structured, free flowing

even distribution of paint with ease of application



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