

Hydropalat[®] WE 3240

(old: HYDROPALAT[®] 140)



The Chemical Company

general

low-foam flow promoter and substrate wetting agent for aqueous paints and coatings.

Hydropalat[®] WE 3240 has the following advantages:

- Good substrate wetting in aqueous industrial, wood, automotive and exterior paints and coatings and printing inks
- Considerable reduction of interfacial tension
- Low foaming tendency
- Easily blended
- Often reduces dirt pick-up and improves graffiti removal

compared with substrate wetting agents based on other chemicals, such as block copolymers (Hydropalat[®] WE 3110, WE 3130), sulfosuccinates (Hydropalat[®] WE 3475) or acetylene diol derivatives, Hydropalat[®] WE 3240 brings about a much greater reduction in static interfacial tension. Even when it is present in a concentration of 0.5%, values much lower than 25 mN/m can be achieved. Dynamic interfacial tension is shown below as a function of frequency.

chemical nature

organic modified polysiloxane (silicone surfactant) dissolved in dipropylene glycol mono methyl ether.

Properties

physical form

yellowish brown, low-viscosity liquid

shelf life

subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 2 years.

**typical properties
(no supply specification)**

refractive index at 25°C	~ 1.437
iodine color value	~ 10
Brookfield viscosity at 23 °C (73°F)	~ 15 mPa · s

Application

Hydropalat® WE 3240 reduces interfacial tension in aqueous paints, coatings and printing inks, thus clearly improving substrate wetting and flow. Craters and dents can also be reduced. Hydropalat® WE 3240 is tolerated excellently, is low-foaming and thus does not generally cause foam problems or incompatibilities even in low-solvent system.

recommended concentrations

in view of the many potential applications, the amount added can vary widely. In general it is between 0.1 and 1%.

Safety

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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