

Hydropalat® WE 3650

Product description Low foaming wetting agent

Key benefits

- highly effective wetting agent for water based coating and ink applications
- excellent dynamic surface tension reduction in combination with low foam stabilization
- recommended for lacquers or inks that show problems regarding substrate wetting or cratering
- due to its excellent wetting properties the product can also have a positive effect on ink transfer and adhesion

Chemical nature Modified alkoxyate

Properties

Physical form clear, colorless to slightly yellow liquid

Technical data	Active ingredients	100 %
(no supply specification)	Density	~ 0.97 g/cm ³

Application

Hydropalat® WE 3650 is a highly efficient substrate wetting agent, suitable for coatings and inks applications (incl. OPV's and clear varnishes). Hydropalat® WE 3650 provides excellent dynamic wetting properties combined with low foaming behaviour. It is 100% active, liquid and solvent free.

Hydropalat® WE 3650 has been successfully tested in inks for flexible substrates and PVC wallpaper inks but also for water borne coatings (e.g. stoving enamels.) and outperforms commonly used wetting agents.

Due to its excellent compatibility and action with commonly used resins, Hydropalat® WE 3650 hardly affects the gloss of such coatings and ink systems. It can also act as a compatibilizer and therefore can reduce the tendency to cratering and pinholes.

Hydropalat® WE 3650 has been found to be effective in improving colorant acceptance, similar to other Hydropalat WE products, for example in wallpaper inks but also for paint applications.

Hydropalat® WE 3650 can positively influence ink adhesion in those cases where an ink has not the optimum wetting properties for a substrate. Hydropalat® WE 3650 can also positively influence ink transfer.

Recommended concentrations

0.1 – 2% on total formulation

Hydropalat® WE 3650 can be added at any stage during the production process. When added during the dispersion process, it improves up pigment wetting.

If Hydropalat® WE 3650 is used at high concentrations it might cause slight turbidity. This can be solved by decreasing the amount of product or by adjusting polarity of the formulation.

Storage

Hydropalat® WE 3650 should be stored in a cool dry place. Mix well before use. If separation or turbidity is observed, heat product to 50°C and homogenize by stirring.

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Validity

This Technical Data Sheet is valid for all versions of the Hydropalat® WE 3650.

Safety

When handling this product, 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.