

Hydropalat® WE 3477

Product description Wetting agent

Key benefits

- Excellent wetting for aqueous formulations
- Strong reduction in surface tension
- Highly dynamic substrate wetting

Chemical nature Anionic compound in water and propylene glycol

Properties

Physical form Clear to pale yellowish liquid

Technical data

(not supply specification)

pH value (10%)	~ 6.5
Solid contents	~ 77%
Sodium sulfate	< 1.0%

Application

Hydropalat® WE 3477 is a highly dynamic wetting agent for aqueous coatings, printing inks, over print varnishes and related systems. Due to its excellent wetting properties it is particularly suitable for difficult-to-wet substrates such as plastics and metal surfaces, cellulose film, aluminum and plastic foils, silicone treated papers or glass.

Hydropalat® WE 3477 can be used to optimize the compatibility (color acceptance) of aqueous pigment concentrates in different coatings. It can be incorporated either into the pigment concentrate or directly into the base paint. It can also be used as "post additive".

Formulation guideline

0.1 – 1.0% active substance on finished coatings
1.0 – 5.0% in over print varnishes (OPV)
1.0 – 5.0% in pigment concentrates

The exact dosage should be determined by appropriate tests.

Hydropalat® WE 3477 may be incorporated at any stage of the manufacturing process. To ensure optimal incorporation it is advisable to add it after grinding by stirring vigorously.

Diluting Hydropalat® WE 3477 with water is possible only up to a certain extent. Liquid-crystalline gel phases may occur in the region of approx. 50 % active substance. Water solubility may be increased by the addition of a small amount of a solubilizer allowing to increase active contents to up to 80 %.

Storage

Hydropalat® WE 3477 should always be stored in tightly closed containers and in a cool dry place. If subjected to below freezing temperatures, Hydropalat® WE 3477 may congeal or stratify. Warm-up to room temperature and mix well before use. This has no influence on the performance of the product. If necessary, also 1-2% of ethanol or glycols/glycolethers can be added in order to liquefy the product.

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Validity

This Technical Data Sheet is valid for all versions of the Hydropalat® WE 3477.

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.

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