

Hydropalat® WE 3189

general	Hydropalat® WE 3189 is an aqueous solution of a nonionic surfactant with excellent wetting properties.
chemical nature	Alkylpolyethylene glycol ether made from a C ₁₀ -Guerbet alcohol

Properties

physical form	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	<table> <tr> <td>concentration</td> <td>~ 80 %</td> </tr> <tr> <td>HLB value</td> <td>~ 13</td> </tr> <tr> <td>pH (EN 1262 5% in water)</td> <td>~ 7</td> </tr> <tr> <td>density (DIN 51757, 23°C)</td> <td>~ 1.02 g/cm³</td> </tr> <tr> <td>degree of ethoxylation</td> <td>~ 8</td> </tr> <tr> <td>dropping point (DIN 51801)</td> <td>~ 3°C</td> </tr> <tr> <td>surface tension (EN 14370, 23°C, 0.1%) In distilled water</td> <td>~ 27 mN/m</td> </tr> </table>	concentration	~ 80 %	HLB value	~ 13	pH (EN 1262 5% in water)	~ 7	density (DIN 51757, 23°C)	~ 1.02 g/cm ³	degree of ethoxylation	~ 8	dropping point (DIN 51801)	~ 3°C	surface tension (EN 14370, 23°C, 0.1%) In distilled water	~ 27 mN/m
concentration	~ 80 %														
HLB value	~ 13														
pH (EN 1262 5% in water)	~ 7														
density (DIN 51757, 23°C)	~ 1.02 g/cm ³														
degree of ethoxylation	~ 8														
dropping point (DIN 51801)	~ 3°C														
surface tension (EN 14370, 23°C, 0.1%) In distilled water	~ 27 mN/m														
(no supply specification)															

Application

Hydropalat® WE 3189 is an excellent wetting and dispersing agent for aqueous coatings and pigment concentrates. It shows good wetting properties especially for organic pigments. Hydropalat® WE 3189 can be used to improve gloss and color development of aqueous top coats, based on different binders.

- improves pigment wetting
- improves gloss of aqueous top coats

recommended concentrations

Hydropalat® WE 3189 may be incorporated at any stage of the manufacturing process, although to ensure good pigment wetting it is advisable to add it before grinding.

The recommended dosages of Hydropalat® WE 3189 depends on the pigment. It is between 15-30% for organic pigments.

Used as a co-dispersant to improve color acceptance the dosage should be app. 1 - 5 % calculated on total formulation of the pigment concentrate. When added directly to the paint, dosages of 0.3 - 1% Hydropalat® WE 3189 on total formulation are sufficient.

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.

® = registered trademark, ™ = trademark of BASF Group, unless otherwise noted

BASF SE
Formulation Additives
67056 Ludwigshafen, Germany
www.dispersions-pigments.basf.com
formulation-additives-europe@basf.com
formulation-additives-asia@basf.com
formulation-additives-nafta@basf.com
formulation-additives-south-america@basf.com