

Efka® PU 4063

Product description	Efka® PU 4063 is a polymeric wetting and dispersing agent for deflocculation of inorganic and organic pigments in high-quality solvent-based paint formulations. This results in:		
	<div><div>■ reduced dispersing time</div><div>■ improved gloss</div><div>■ prevention of flooding and floating</div><div>■ higher color strength</div></div>		
Chemical nature	Modified polyurethane		

Properties

Physical form	Clear yellow liquid		
Technical data	Density	BASF method (20 °C)	0.98 – 1.00 g/cm³
(not supply specification)	Solid content	BASF method (1h at 120 °C)	43.0 – 47.0 %

Application

Efka® PU 4063 is a dispersing agent for organic and inorganic pigments in high-quality solvent based pigment pastes. It reduces dispersing time and mill base viscosity and therefore allows the formulation of highly concentrated pigment pastes.

During the letdown stage Efka® PU 4063 prevents flooding and floating of pigments and promotes gloss development and high color strength.

Efka® PU 4063 is readily compatible with a wide range of solvent based binder types, such as used in 2KPU, epoxy, unsaturated polyester, stoving and air-drying formulations.

Recommended concentrations

Calculation method for the required amount of Efka® PU 4063 (as supplied) based on pigment:

inorganic pigments	15 - 20 % of weight
titanium dioxide	4 - 5 % of weight
organic pigments	30 – 60 % of weight
carbon blacks	80 - 100 % of weight

Efka® PU 4063 should be incorporated in the mill base before adding the pigments.

Efka® PU 4063 should be blended with the pigments in the mill base. The optimal amount to be added to a given system must be determined by testing. Usually, it is in the range from 1 to 5 % relative to the inorganic pigments or 15 to 50 % relative to the organic pigments.

Storage

Efka® PU 4063 should be stored in a cool and dry place.

Contacts worldwide

Asia BASF East Asia Regional Headquarters Limited 36/F, Two Taikoo Place, Taikoo Place, 979 King's Road, Quarry Bay, Hong Kong formulation-additives-asia@basf.com	North America BASF Corporation 11501 Steele Creek Road Charlotte, NC 28273 USA formulation-additives-nafta@basf.com
Europe BASF SE Formulation Additives 67056 Ludwigshafen Germany formulation-additives-europe@basf.com	South America BASF S.A Rochaverá - Crystal Tower Av. das Nações Unidas, 14.171 Morumbi - São Paulo-SP Brazil formulation-additives-south-america@basf.com

Validity

This Technical Data Sheet is valid for all versions of the Efka® PU 4063.

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.