

Efka®PX 4701, Efka®PX 4733, Efka®PX 4703

a toolbox of dispersants for UV curable flexo and ink-jet inks and industrial applications



High-molecular-weight dispersing agents for high-performance ink-jet and flexographic ink systems and carbon blacks

Efka® PX 4701/PX 4733/PX 4703 are highly efficient dispersing agents for organic pigments. Efka® PX 4701 is especially suitable for carbon blacks.

All three products are 100% active dispersing agents based on our advanced polymer technology. They are especially recommended for high-performance systems such as ink-jet inks, UV-curable and solvent-based inks. (flexographic as well as ink-jet)

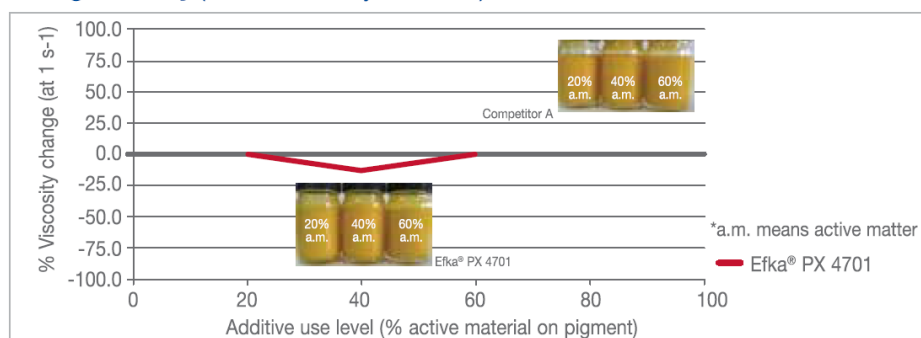
Efka® PX 4701 is well suited for the use with the concept of resin-free pigment concentrates (RFPC) in UV-curable and solvent-based systems. Whilst Efka® PX 4701 is a general purpose dispersant, Efka® PX 4733/PX 4703 are recommended for mild resp. strong solvent ink jet systems. Efka® PX 4733/PX 4703 are both also well suitable for UV-Flexo and Offset inks.

All three products, but in particular Efka® PX 4733, can be applied for solvent-based and solvent-free industrial and automotive applications.

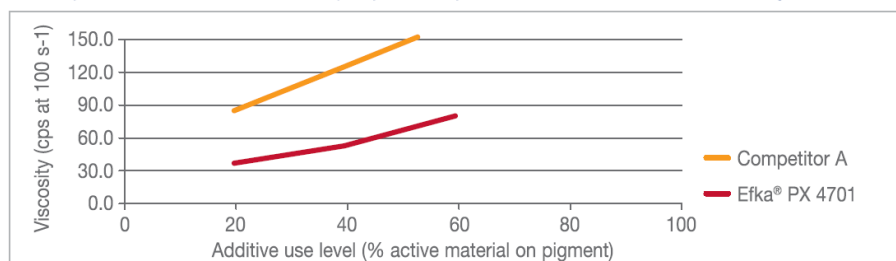
Performance Highlights

- Strong viscosity reduction
- Excellent storage stability
- Broad compatibility towards different ink systems and pigments
- Improves color strength of organic pigments
- Excellent in stabilizing organic pigments in low viscosity systems
- All three products are suitable for various UV applications, but also for solvent-based and 100% systems in industrial and automotive coatings

Storage stability (PY 109 : 28 days at 50 °C)



Strong viscosity suppression (Dispersion performance - millbase viscosity with PY 109)



Characteristic Values	Efka® PX4701	Efka® PX 4733	Efka® PX 4703
Property	Value	Value	
Appearance	amber to brownish liquid	amber to brownish high viscous liquid	
Active ingredients	-100%	-100%	-100%
Amine value	- 40mg KOH/g	- 25mg KOH/g	- 56mg KOH/g



Efka®PX 4701, Efka®PX 4733, Efka®PX 4703

a toolbox of dispersants for UV curable flexo and ink-jet inks and industrial applications



Contacts worldwide

Asia

BASF East Asia Regional Headquarters Ltd.
45/F., Jardine House
No. 1 Connaught Place
Central
Hong Kong
formulation-additives-asia@basf.com

Europe

BASF SE
Formulation Additives
67056 Ludwigshafen
Germany
formulation-additives-europe@basf.com

North America

BASF Corporation
11501 Steele Creek Road
Charlotte, NC 28273
USA
formulation-additives-nafta@basf.com

South America

Rochavera - Crystal Tower
Av. das Na9oes Unidas, 14.171
Morumbi - São Paulo-SP
Brazil
formulation -additives-south-america@basf.com

www.basf.com/formulation-additives

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 products to ensure that any proprietary rights and existing laws and legislation are observed. When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed.