

# 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)

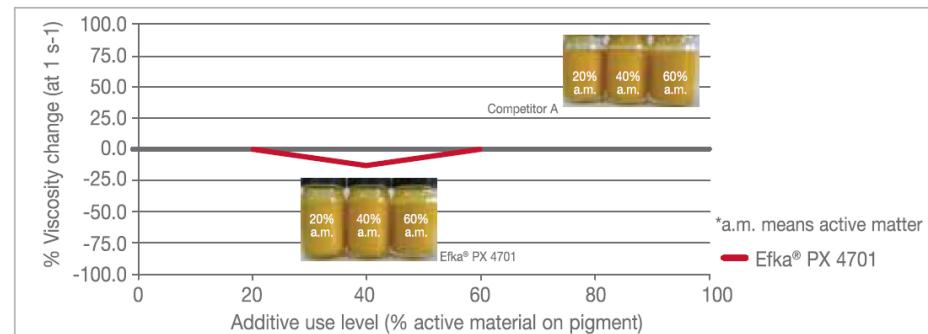
Efka® PX 4701 is well suited for the use with the concept of resin-free pigment concentrates (RFPC) in UV-curable and solvent-based systems. Whilst Efka® PX 4701 is a general purpose dispersant, Efka® PX 4733/PX 4703 are recommended for mild resp. strong solvent ink jet systems. Efka® PX 4733/PX 4703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

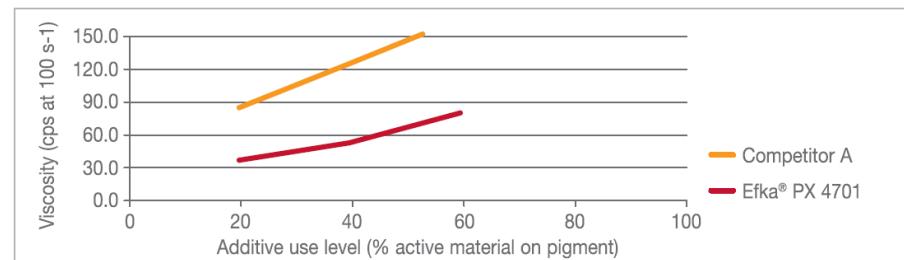
#### Performance Highlights

- 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



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### **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](mailto:formulation-additives-asia@basf.com)

#### **Europe**

BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

#### **North America**

BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto: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](mailto:formulation-additives-south-america@basf.com)

**[www.bASF.com/formulation-additives](http://www.bASF.com/formulation-additives)**

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