

Dispex® Ultra FA 4480 / FA 4483

(Old: Hydropalat® 1080 / 7003)



We create chemistry

Universal wetting / dispersing agents for pigment concentrates

Dispex® Ultra FA 4480 / FA 4483 offer solutions for water-based and universal pigment concentrates. Dispex® Ultra FA 4480 is well suited for organic pigments and carbon black whereas Dispex® Ultra FA 4483 provides excellent dispersions with inorganic pigments. Together Dispex® Ultra FA 4480 / FA 4483 are used to formulate APEO-free and glycol-free universal colorants.

Examples of formulations for universal colorants

Dispex® Ultra FA 4480 and Dispex® Ultra FA 4483 in combination for inorganic pigments

Pigment	TiO ₂	Iron oxid	Yellow	Yellow	Yellow	Iron oxide	DPP-red	Naphtol-AS red	Pink
Colour index	PW6	PY42	PY154	PY74	PY83	PR101	PR254	PR170	PR122
Water, demineralized	29.6	23.8	48.6	43.6	43.6	24.2	47.6	43.6	58.6
Dispex® Ultra FA 4480	2.0	4.5	15.0	15.0	15.0	4.5	11.0	15.0	15.0
Dispex® Ultra FA 4483	7.0	10.0	-	-	-	10.0	-	-	-
Pigment	60.0	60.0	35.0	40.0	40.0	60.0	40.0	40.0	25.0
Anti-settling agent	0.2	-	-	-	-	0.1	-	-	-
FoamStar® SI 2216 (defoamer)	0.8	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0
Amine	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Preservative	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

pH adjusted approx. to 8

Dispex® Ultra FA 4480 alone for organic pigments

Pigment	Green	Blue	Blue	Blue	Violet	Violet	Black	Black	Black
Colour index	PG7	PB 15:2	PB 15:3	PB 15:4	PV19	PV23	PBk7	PBk7	PBk7
Water, demineralized	47.6	46.5	51.6	45.6	56.6	53.6	58.6	56.6	58.3
Dispex® Ultra FA 4480	11.0	12.0	12.0	13.0	12.0	15.0	15.0	18.0	15.0
Pigment	40.0	40.0	35.0	40.0	30.0	30.0	25.0	15.0	25.0
FoamStar® SI 2216 (defoamer)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Amine	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
Preservative	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.0	100.0

pH adjusted approx. to 8

Remark						regular color gas, oxidized	high color gas, non-oxidized	lamp black

Dispex® Ultra FA 4480 / FA 4483: Characteristic Values

Property	Dispex® Ultra FA 4480	Dispex® Ultra FA 4483
Appearance	Clear liquid	Clear viscous liquid
Active content	80%	30%
pH-value	~ 6.5	~ 2

¹ VOC content <0,1% acc. to EU 2004/42 (b.p. >250°C)

Performance Highlights

- Excellent pigment stabilization, viscosity reduction and wetting and dispersing properties
- Improved stability and colour intensity of pigment concentrates
- Excellent compatibility with aqueous and solvent-based systems
- Anti-settling effect

Sustainability Highlights

- VOC-free acc. to EU 2004/42¹ and US-EPA Method 24
- APEO-free
- Solvent-free
- Low odour



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

BASF S.A.
Rochaverá - Crystal Tower
Av. das Nações 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.

® = registered trademark of the BASF Group