

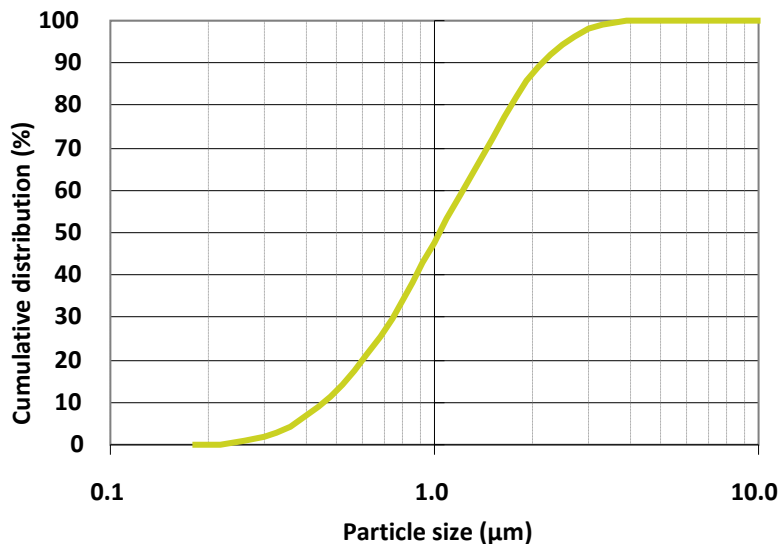
FP-470 OPACITY PIGMENT™

FP-470 is unique Opacity Pigment™ powder for use in solvent borne paint applications. FP-470 is designed to give optimal optical properties enabling partial replacement of TiO₂ in paints.

FP-470 TYPICAL PIGMENT PROPERTIES

These are typical values but do not constitute specifications.

Dry Solids	%	99.0
Brightness (ISO)		95.0
L* value		98.8
b* value		1.4
Specific Surface Area (BET)	m ² /g	10.0
Average Particle Size	µm	1.0
Specific Gravity		2.8
Oil absorption	g/100g	41.0
Surface coating		organic



DISCLAIMER OF LIABILITY The information herein is based on technical data that we believe is accurate and reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of use this information are beyond our control. For this and other reasons, we do not assume responsibility and express disclaim liability for loss, damage or expense arising out of or in any way connected with any use of this information.

FP-Pigments GmbH
Am Haupttor 2176
DE-06237 Leuna
DEUTSCHLAND
www.fp-pigments.com

Telefon:
+49 (0) 3461 43 77 00
Telefax:
+49 (0) 3461 43 77 10

FP-Pigments Inc.
3 Southern Industrial Blvd
Rome, GA 30165
USA
www.fp-pigments.com

Phone:
+1-706-234-1215
Telefax:
+1-706-234-1219

Sitz der Gesellschaft: DE-06237 Leuna, Amtsgericht Stendal HRB 7593
· Geschäftsführer: Markus Blomquist · USt-IdNr.: DE 259 153 073

Solvent based Decorative and Industrial Coatings

- 1: Test using a replacement ladder of 4, 8 and 12% FP-470.
- 2: Make a 1:1 weight for weight replacement of TiO₂ with FP-470.
- 3: Add the FP-470 to the millbase first immediately followed by the TiO₂ pigment.
- 4: Mill as normal, there should be no need to adjust any milling times.
- 5: Complete the coating as normal.

Example Formulation

Decorative Alkyd Coating

Material	Standard Weight (g)	4% FP-470 Weight (g)	8% FP-470 Weight (g)	12% FP-470 Weight (g)	Supplier
Synolac 60 WD 70 (40% sol.)	91.91	91.91	91.91	91.91	Arkema
FP-470	0	10.57	21.15	31.72	FP-Pigments
TIOXIDE® R-TC90	264.33	253.76	243.18	232.61	Huntsman Pigments
Synolac 60 WD 70 (40% sol.)	40.3	40.3	40.3	40.3	Arkema
Subtotal	396.54	396.54	396.54	396.54	
Let down:					
10% of above mill base	39.65	39.65	39.65	39.65	
70% Synolac 60 WD 70	48.99	48.99	48.99	48.99	Arkema
White Spirit	9.04	9.04	9.04	9.04	
Methyl Ethyl Ketoxime (MEKO)	0.29	0.29	0.29	0.29	
Durham VX 71	2.02	2.02	2.02	2.02	Cornelius
Total	100	100	100	100	

	Standard	FP-470		
	TIOXIDE® R-TC90	4%	8%	12%
Visual Wet Opacity 80µm WFT	Std	=	=	=
Contrast Ratio 80µm WFT	95.4	95.4	95.2	94.9
Colour L*	96.5	96.5	96.4	96.4
Colour b*	2.7	2.8	2.7	2.7
Gloss 20°	87	83	84	86
Gloss 60°	91	91	91	92
Tint Strength	100	98.6	97.8	97.4