

### 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 TiO<sub>2</sub> with FP-470.
- 3: Add the FP-470 to the millbase first immediately followed by the TiO<sub>2</sub> 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
<b>Subtotal</b>	<b>396.54</b>	<b>396.54</b>	<b>396.54</b>	<b>396.54</b>	
<b>Let down:</b>					
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
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	

	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