Reformulation Guidance Below cPVC Paints

20% to 45% PVC Water-based Coatings

1) Replace 10% of the TiO_2 with the same weight of FP-460

2) Remove 10% of the largest particle size extender/filler in the formulation

This will result in a slight reduction in the PVC of the paint which helps to maintain the gloss level of the reformulated paint. At this stage the opacity of the formulation should be checked and if necessary a small level of opaque polymer (typically between 0.5% and 1.0% on total formulation weight) should be added. If opaque polymer cannot be used, then one or two percentage points of TiO_2 should be added back to the formulation.

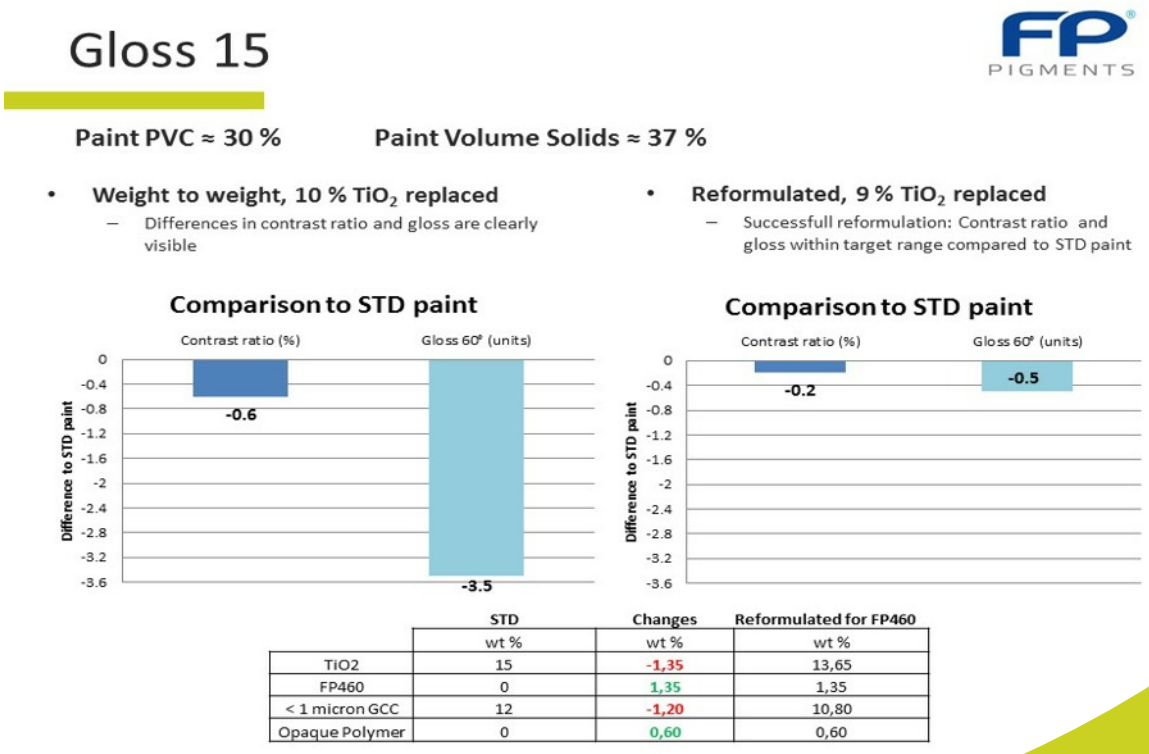
If the replacement is successful following the 10% protocol, then further reductions can be attempted and we recommend doing this in 2.5% increments.

E.g.

1) Replace 12.5% of the TiO_2 with the same weight of FP-460

2) Remove 10% of the largest particle size extender/filler in the formulation

3) Adjust opacity using small additions of opaque polymer or replacing some TiO_2



	STD	Changes	Reformulated for FP460
	wt %	wt %	wt %
TiO2	15	-1,35	13,65
FP460	0	1,35	1,35
< 1 micron GCC	12	-1,20	10,80
Opaque Polymer	0	0,60	0,60