



FP-510 Opacity Pigment™ from **FP-Pigments** is a highly efficient white pigment for the PVC plastics industry. The unique engineered structure improves the efficiency of existing titanium dioxide pigments and enhances their performance allowing the formulator to optimise their product performance and reduce raw material costs.

Easy to Use, Quick to Save

FP-510 Opacity Pigment™ has been developed by **FP-Pigments** for use in both flexible and rigid PVC as a partial replacement for TiO₂ pigment and it can easily be incorporated in standard compounding operations. The **FP-510 Opacity Pigment™** can be used in a wide range of plastics processing equipment including pipe and profile extrusion as well as film calendaring.



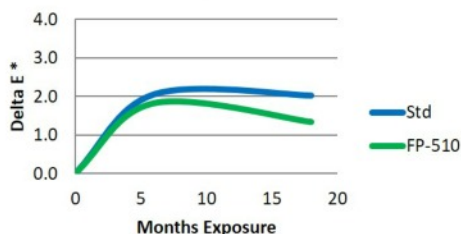
FP-510 - Durability and Colour

Initial Values				
Formulation	60° Gloss	L*	a*	b*
Standard: 4phr TiO ₂	44	93.8	-0.87	2.57
Test: 3.2 phr TiO ₂ + 0.8 phr FP-510	44	93.8	-0.86	2.47

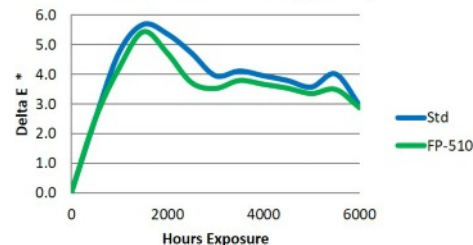
When replacing 20% of the TiO₂ loading in a PVC Ca/Zn stabilised window profile formulation, weatherability and aesthetic properties show a good initial colour and excellent colour stability during Xenon and natural weathering tests.



45° South, Puget-Theniers, France



Accelerated Weathering (EN513)



Customer Service Centres

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Impact Strength

Both the initial impact strength and the impact strength after weathering are unaffected by the replacement of 20% of the TiO_2 with **FP-510** Opacity Pigment™ in a typical PVC formulation.



Product Characteristics

- > **FP-510** is available in 25 kg bags and in 500 kg big bags, as well as in bulk deliveries
- > **FP-510** is fully REACH compliant



Recommendations

FP-510 Opacity Pigment™ can be used as a partial replacement for TiO_2 pigment in PVC plastic applications. The recommended replacement level is between 10% and 20%. **FP-510** Opacity Pigment™ and this should be added with the TiO_2 during normal compounding preparation.



About FP-Pigments

FP-Pigments produce composite pigment products for the Paint, Plastic, Paper and ink industries. A patented coating technology enables the production of a specially designed pigment with a perfectly controlled particle size, refractive index and morphology.

The engineered composite structure results in the optimised packing and spacing of pigment particles in the end use matrix leading to increased efficiency of the TiO_2 pigment.

FP-Pigments has state-of-the-art production facilities in Europe and the USA

Disclaimer of Liability: The suggestions and data provided are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and method of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.