

OPTERA WX 90

TECHNICAL DATA SHEET
VERSION 06/2025



Optera WX 90 is a unique high performance TiO₂ extender for use in water based paints. It is designed for medium to high PVC matt & semi-gloss emulsion paints. Optera WX 90 can replace up to 30 % of TiO₂ without compromising optical and mechanical properties. Optera WX 90 gives better wet film opacity than other opacifying extenders.

Optera WX 90 particles hold pigments in dispersed form better than other fillers thus also act as an anti settling agent and increases the shelf life of the paint. TiO₂ replacement with Optera WX 90 is possible even after the formulation is optimized with other functional extenders and opaque polymer.

TECHNICAL DATA

KEY FEATURES

- Improved whiteness and hiding power of the paint
- Cost reduction in the formula as TiO₂ is partially replaced
- Better wet film opacity than other extenders
- Maintains the same tinting strength, hence can be used in bases
- Gives exterior paints good weathering properties

PROPERTY	VALUE
Whiteness	95 % Min
pH extract	8
Residue on 500#	0.005 % Max
Volatile matter	0.3 %
Water soluble matter	0.05 %
Particle size (d50)	2.75 µ
Oil Absorption	44 ml/100 gms
Density - Loose	0.2 gm/ml
Density - Tapped	0.3 gm/ml
Surface Area (B.E.T.)	52 m ² /gm



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