



DIRTBLOCK™

PAINT ADDITIVE FOR DIRT RESISTANT PROPERTIES

OVERVIEW

DirtBlock™ is a water or solvent soluble liquid additive intended to liquid paints and coatings to impart excellent anti-dirt properties. The additive, which is used in very low loading levels (<1% by weight) has virtually no effect on the paint in terms of viscosity, adhesion, or mechanical properties, imparts excellent anti-dirt properties. By slightly modifying the surface of the paint the additive is able to create an anti-static effect that results in greatly reduced dry dirt accumulation.



TECHNOLOGY

DirtBlock™ is an oligomer that is added to paints in less than <1% by weight. The material is water or solvent soluble and is based on fluorinated organosilane technology.

TECHNICAL SPECIFICATIONS

Chemistry
Chemical Family: Fluorinated Organosilane
Room Temperature State: Liquid
Storage Recommendations: Amber Glass Bottle, 10° C – 45° C
Shelf Life: 1 year at neutral pH (storage)
Product Description: Mixed with a liquid coating resin at less than 1% by weight

Material Characteristics
Loading level: 0.1-1% by weight
Water or solvent soluble
Can be mixed in 100% solids paints
50-80% ** reduction in dry dirt accumulation
No change in viscosity of paint
No change in adhesion of paint
Re-application of paint is possible
No change in mechanical performance of paint

Appliance
Mix using a lab grade mixer
Apply paint according to paint instructions (no change)

Handling
Chemical Stable at normal temperature and storage conditions
Avoid: Heat, flames and sparks

** Reduction in dirt accumulation tested using standardized lab dirt and measured with a colorimeter (delta E)