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XX-503R Paint Grade Zinc Oxide

DESCRIPTION

XX-503R is a paint grade zinc oxide specially engineered to provide relatively large particles with a minimum of colloidal fines. It has the properties of low reactivity, low water absorption, low oil absorption, and low viscosity which make it particularly desirable in paint.

USES

PAINT – XX-503R is designed for use in oil-based or latex exterior house paints where a zinc oxide of low consistency is desired. XX-503R is produced from a unique process which imparts higher brightness and higher purity than earlier American Process grades, while retained the same excellent stability, mildew resistance, UV absorption, and weathering properties.

TECHNICAL DATA

Representative Physical Properties

Mean Surface Particle Diam., μ 0.9
Specific Surface, m^2/g 1.2
Spatula Oil Absorption
(Lb oil / 100 Lb pigment)9
Specific Gravity5.6
Apparent Density, lb/ft^3 65
Through 325 Mesh, %99.95
Pounds per Solid Gallon46.7
1 Lb Bulks, gallon0.0214
SpecificationsASTM D-79

Representative Chemical Properties

ZnO, %99.8
PbO, %0.05
Total S as SO_3 , %0.001
H₂O Soluble Salts, %0.05
Loss at 110°C, %0.2
Insoluble in HCl, %<0.01

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HORSEHEAD CORPORATION XX-503R ZINC OXIDE