Specialty filler

SPHERILEX® DP-0115

DESCRIPTION

- SPHERILEX® DP-0115 is a precipitated amorphous (crystalline-free) silica with uniquely spherical particle shape and very narrow particle size distribution.
- SPHERILEX® products are available with different particle sizes, but all grades are based on a new patented synthesis process that directly controls particle morphology during the precipitation step. As a result, this new range of silica products provides a unique balance of performance benefits.
- SPHERILEX® DP-0115 has larger particle size, which is beneficial for properties like burnish and scrub resistance and may produce some degree of matting effect in certain systems, such as thin film applications and waterborne clear finishes.

KEY BENEFITS

- excellent mar and burnish resistance
- optimum washability and scrub resistance
- effective matting agent for powder coatings
- very low binder demand
- very low water/solvent demand in the grind process
- low viscosity at high loading levels

EFFECT

Mar and burnish resistance

Washability and scrub resistance

Gloss reduction

Smooth Surface Profile

SUITABILITY

solventborne	direct grind
●	●

waterborne
●

TYPICAL APPLICATIONS

- Architectural Paints
- Floor coatings
- General industrial coatings
- Powder coatings
- Wood coatings

TECHNICAL DATA

delivery form	free-flowing powder
DOA absorption	45 ml/100g
loss on drying	<7 %
particle size, d_{50}	15 µm
particle size, d_{95}	<30 µm
pH value, 5% in water	7.5
sodium sulfate content	<1.0 %
specific gravity	2.0
specific surface area (BET)	<12 m^2/g

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 3 - 15 %

PROCESSING INSTRUCTIONS

It is recommended that this product be added, as supplied, to the grind.

HANDLING & STORAGE

When stored in an original unopened packaging, the product has a shelf life of 24 months from the date of manufacture. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

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