

SILDIS 410

DISPERSING AGENT

SILDIS 410 is a water-based solutions of Ammonium Salt of Acrylic Polymer (Polycarboxylate) highly effective used as dispersing agent for inorganic pigments in paints and covering.

Characteristics

Appearance:	Limpid Amber liquid
Odour:	Odour free (VOC = zero)
Dry residue:	45%
Density:	1,16 g/cm ³
Viscosity:	400 mPa.s (25°C)
Ph:	7-9 (effective in pH range 5-12)
Solubility:	soluble in every relation in water

Utilization

Dispersing agent for:
PAINTS: (styrene-acrylic based, PVAc ecc. Pigmented Paste)
VARNISH: (water based for wood, industrial, etc...)
Adhesives, resins and polymerization processes.

Application

SILDIS 410 is a dispersing agent at high effectiveness and low foam formation used for the dispersion of pigments and fillers (extenders) in a wide range of water-based paints and coating.
SILDIS 410 is particularly strong at high temperature (also > 100°C) and much effective in ample range of pH (5-12).
SILDIS 410 is absorbed in pigment particles and consent an electrostatic stabilization avoided the formation of conglomerated and granted a perfect stable dispersion in the course of time.
SILDIS 410 is applied for pigments and fillers dispersion as: Titanium Oxide (TiO₂), Zinc Oxide (ZnO), ferric oxide, fixed white, calcium carbonate (CaCO₃), Talcum, Silicon, China Clay etc..
It is compatible and used in wide range of paints Acrylics resins-based, styrene-acrylic based, styrene-butadiene, Polyvinyl Acetate omo-copolymer) etc..
It is effective also in low dosage, furthermore thanks to its organic nature (Organic Polymer) SILDIS 410 is more effective than inorganic dispersing agent (polyphosphate) and increase considerably the stability at the paints storage, dispersion and finished products avoiding the formulation of clot, conglomerated, flocculations etc. and maintained stable the rheology and viscosity in the time.

Instructions of use

PAINTS, VARNISH, DISPERSION: SILDIS 410 can be added during the direct grinding: the pigments are grinded with one part of binder and then they are completed with the remainder components of the paints. The dispersion top conditions is obtained adding SILDIS 410 at the water before adding the pigments and the fillers.
Dosage: SILDIS 410 is added in concentration of 0,2-1,5% based on the total weight of pigments. Remember that every treatment must be tested to value the minimum concentration foreseen linked to "the optimum" of performance.

Storage

SILDIS 410 is sensitive to frost. Store close in original containers at temperature from +5°C to 40°C, the product is stable at least 12 months from Production Manufacture Date.

Packaging

Drum of 25-60-140-250 kg and IBC Plastic Tanks 1100Kg
Product Code 51050/50

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SILICONI COMMERCIALE® Technical data- sheet

