

SavCat Series

Water- Based Paraffin Wax Emulsion

Wax emulsion series of SavCat is a milky/off white cationic emulsion based on paraffin wax. SavCat series wax emulsion having excellent emulsion stability and infinite dilution stability recommended for the use of formulating paraffin wax based concrete emulsion system. This system ensure that the emulsion form a non penetrating continuous film immediately upon contact with a cementations surface. SavCat series forms a film which prevents excessive water evaporation which in turn permits more efficient cement hydration thus reducing shrinkage and increasing durability. This wax emulsion series serves as additive in manufacturing of aqueous varnishes, coating and impregnation. Through the modification the surface films will be equipped with hydrophobic film characteristics, high ant blocking resistance, well scratch resistance and friction resistance. SavCat series also very suitable for formulations in the textile, paper, and leather finishes area.

DESCRIPTION Water-based emulsion of paraffin wax

TYPICAL PROPERTIES The values indicated in this data sheet describe typical properties:

	SavCat-35	SavCat-40	SavCat-45	SavCat-55
Appearance	Milky White Emulsion	Milky White Emulsion	Milky White Emulsion	Off white Emulsion
Emulsifier System	Cationic /Nonionic	Cationic /Nonionic	Cationic /Nonionic	Cationic /Nonionic
Solid content (%)	35±1	40±1	45±1	55±1
pH Value	4-6	4-6	4-6	4-6
Melting Point (Wax Content)	62 – 66 ⁰ C			
Miscibility in water	Miscible	Miscible	Miscible	Miscible
Viscosity (B Ford Cup) at 25⁰C	12 - 20 sec.	15-25 sec.	15-30 sec.	40-60 sec.

PROPERTIES:

- Improved water repellency and waterproofing.
- Good anti-graffiti properties.
- Very good blocking resistance.
- Improved UV & ozone protection.
- Increased surface slip.
- Increased scratch and abrasion resistance.

The information provided herein is believed to be reliable; however, no guarantees are made or liability assumed.

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Application:

- SavCat series is added to the curing compounds formulation for concrete construction reduce surface shrinkage and cracking by eliminating moisture loss from exposed surfaces. Increase concrete surface strength and dusting resistance. Enables concrete to hydrate more efficiently.
- SavCat series is added to the aqueous dispersion and coating materials.
- SavCat series is added to the aqueous dispersion and binding agent system.
- SavCat series can be applied directly during paper manufacturing process or production of cardboards.
- It is also applicable for the treatment of already printed paper and cardboard surfaces.
- It is use as additive in construction industry.
- SavCat series is also very suitable for the wood impregnation, wood coating materials.

Storage and Shelf life: -

Store at dry and well shelter area in its original packaging, the storage stability of the product SavCat series will be 6-12 months if stored under prescribed storage conditions. Do not store product outdoors. Keep in sealed containers at temperatures between 25⁰C and 35⁰C. Before opening of the containers, stir them well.

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