

Technical Notice

NEOLITH 9450L

Neolith 9450L is a water based vinyl-versatic copolymer dispersion and it is free from plasticizers and solvents.

General properties

Neolith 9450L is particularly suitable for the preparation of lime paints.

Specification values

FAR POLYMERS Quality System is certified according to UNI EN ISO 9001 and takes care of all the aspects of the organization, from production to technical service.

Our laboratory Quality Control determines the following parameters for each delivery:

dry content (%): (FAR 001)	41 ÷ 44
Brookfield viscosity (20°C 20 rpm): (FAR 002)	2500 ÷ 7500
pH: (FAR 003)	4 ÷ 6

Other chemical physical characteristics

Control on statistical basis

Appearance:	liquid white-milky
Specific weight at 20 °C:	1,01÷1,04 kg/dm ³
Mean particle size:	about 2,2 μ
Emulsifier System:	protective colloid
Minimum film forming temperature:	about 1° C
Glass transition temperature:	about 6° C
Mechanical stability:	very good
Mineral fillers compatibility:	very good

Applications

Neolith 9450L is a water dispersion of a polymer which forms an elastic film with low stickiness.

It generally does not need a coalescing agent, being formulated to film at low temperature; only for perfect film formation, during the winter months, it is recommended to add small amounts of a coalescing agent.

Neolith 9450L is specifically formulated for the preparation of lime paints (plasters and stucco) as it is particularly resistant to the action of hydrolysis exerted by the strong alkalinity of these systems. Furthermore, it keeps its excellent binding power unchanged even after prolonged storage; avoids the variations in color that occur with the traditional binders, due to the degradation of the polymer dispersion. It can also be used for the modification of cement-based or lime-based mortars, improving the

mechanical characteristics. Neolith 9450L gives the finishes an excellent workability that allows a very easy application.

Packaging

Neolith 9450L is sold as 125 kg. drum, 1 tonn IBC and bulk deliveries.

Storage

Neolith 9450L, when stored at temperatures between 5°C and 30°C in the original unopened containers, is stable for up to six months from the date of delivery, provided the product has been treated hygienically, away from frost and direct sunlight.

The nature of the product can cause film formation, or brittle powder formation depending on temperature, with some skins or lumps formed during storage especially if the product is used over time. Therefore it is recommended to filter the product before working with it; for the storage in tanks it is advisable to stir moderately the product.

The product is protected with amounts of biocides which are gauged according to the regulations. Anyway during working, for example when moving the product to a storage tank, hygiene and cleaning procedures are highly recommended to avoid microbiological contaminations. Regular cleaning and sanitization operations of pipelines and storage tanks should be the rule. It is also appropriate to spray a thin layer of water with biocide on top of the stocked products in tanks.

Even the working of the product will ask for some biocide addition, assessing carefully the final classification of the finished products. Whenever IBCs or drums are opened, it is recommended to add small amounts of biocide on top of the product. The water used for the transformation is to be treated to eliminate any trace of microorganisms which can be detrimental for the quality of the finished products.

The tanks designed to store the product are supposed to be in stainless steel or fiber-glass; other materials (for example iron) should be adequately treated with a surface coating of a protective varnish.

All the information of this TDS are the result of tests in our laboratory according to the current state of our knowledge. They do not absolve customers to check the uses of our products in each formulation – since we do not have any control on raw materials from other companies and conditions of use. Customers should also check each supply upon receipt. The recommendation within this TDS do not constitute any guarantee nor they imply the suitability for particular uses made by customers.
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