

Technical Notice

Neolith PK

Neolith PK is a polymer powder redispersible in water and it is produced by spray-drying a water based dispersion of an acrylic copolymer with polyvinylalcohol as a protective colloid.

General properties

Neolith PK is used to modify cement based dry-mixes. Neolith PK is used whenever a high tixotropy of the mortar is required. With its peculiar physical-chemical characteristics it improves the rheological properties and enhances the open time.

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 007)	97,5 ± 2,5
ash content (%): (AR 010)	6 ÷ 14
bulk density (g/l): (FAR 008)	250 ÷ 450

Other physical chemical characteristics

of the powder:

appearance:	white powder
stabilizing system:	polyvinylalcohol

of the water redispersion:

minimum film forming temperature:	0°C
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Applications

Neolith PK is a thickening agent used in cement based mixes whenever a high tixotropic system is required.

The use of Neolith PK avoids aggregates settling when the particle size of the aggregates can not be controlled or when the desired viscosity can not be reached.

In thin bed layers applications, such as tile adhesives or cement primers, Neolith PK help increasing the open time.

For this, Neolith PK can partly replace the modified celluloses. A replacement up to 25% of the total amount of cellulose does not alter the open time of the mortar.

Packaging

Neolith PK is available in 20 kg paper.

Storage

We recommend to store Neolith PK in a suitable warehouse at temperatures below 25°C, protected from moisture and not subject to pressure (e.g. do not overlap pallets).

By following this recommendation, we strongly advise anyhow to use the product within six months from the date of delivery.

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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