

Technical Notice

Neolith P4400T

Neolith P4400T is a semiflexible polymer powder redispersible in water and it is produced by spray-drying a water based dispersion of a vinyl-versatic copolymer with polyvinylalcohol as a protective colloid. The peculiar chemical composition of the polymer allows both a good film forming process also at low temperatures and a very good adhesion to cement based substrates. The product has a special additive as anticaking agent.

General properties

Neolith P4400T is used to modify cement based dry-mixes. With its peculiar physical-chemical characteristics it improves the adhesion to inorganic substrates and shows good flexibility and deformability and very good abrasion resistance. Neolith P4400T also helps increase the open time and improve the workability of dry-mixes.

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)	99 ± 1
ash content (%): (AR 010)	9 ÷ 13
bulk density (g/l): (FAR 008)	450 ÷ 600

Other physical chemical characteristics

of the powder:

appearance:	white powder
stabilizing system:	polyvinylalcohol

of the water redispersion:

minimum film forming temperature:	+6°C
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Applications

Tile adhesives

Neolith P4400T is particularly suitable for the preparation of cement based tile adhesive, increasing the adhesion, tensile strength, heat resistance, freeze-thaw resistance and deformability.

For these characteristics it is especially suited for the formulation of C1 and C2 - with deformability class S1 and S2 - cement based tile adhesives.

ETICS mortars and adhesives

The addition of Neolith P4400T increases a good workability, an excellent adhesion and improve the water resistance. Thanks to its chemical composition Neolith P4400T offers a very good adhesion to polystyrene panels and wool rock panels, also contributing to the flexibility and mechanical resistance of the finishing system.

Renders and plasters

Mortars prepared with Neolith P4400T have very good adhesion properties and workability; therefore Neolith P4400T is well suited for the formulations of repair mortars, renders and plasters.

Packaging

Neolith P4400T is available in 350 kg bulk bags and big bags up to 1000 kg.

Storage

We recommend to store Neolith P4400T 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.

The above information is the result of repeated tests performed in our laboratories. However, they are released without any warranty whatsoever and do not exempt the customer from performing the tests for the final application. The recommendations contained herein are no guarantee or imply the suitability of the product for the particular uses of customers.
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