



Complete 8515 HP

Technical Data Sheet

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Azelis Construction Solutions

Product Description

Complete 8515 HP is a vinyl acetate-butyl acrylate redispersible powder with a medium range glass transition temperature, imparting hydrophobicity, flexibility and alkali resistance to cementitious compounds. Material is manufactured by spray drying a copolymer dispersion under carefully defined conditions. Anticaking agents are incorporated to make sure that powder properties are maintained during storage and processing.

Handling and Storage

Complete 8515 HP should be mixed with dry products and stored in water resistant packaging. On contact with water and under the action of mechanical shear, material produces a stable dispersion which properties are comparable to those of the original dispersion. Complete 8515HP should be stored in its original packaging in a cool, dry place with temperature below 30°C. Excessive pressure can cause Complete 8514HP to cake under prolonged storage. It is recommended to use Complete 8515HP within six months of delivery.

Typical Properties	Value
Humidity %	1 max
Density kg/l at 23 °C	0.5-0.7
Protective Colloid	Polyvinyl Alcohol
Ash %	9.0-13.0
Residue > 500 µm	<0.5
Glass Transition Temperature °C	15
Minimum Film-Forming Temperature (MFFT) °C	0
Brookfield Viscosity (1) mPa.s	< 1000
pH	6.5-7.5

(1) RVT Model (spindle 2/20 rpm @ 23 °C)



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Application

The flexibility of Cemplete 8515HP can be used in cementitious compounds where deformability is required. This is especially valuable where substrate movement is possible. Cemplete 8515HP improves substrate adhesion, freeze-thaw resistance, and decreases water adsorption significantly. Cemplete 8515HP, when used in mortars grouts and renders imparts an improvement in the workability of the formulated product, good anchoring properties onto old substrates such as concrete, better abrasion and scrub resistance, along with increased flexural strength. Cemplete 8515HP is especially suitable in exterior applications such as grouts, repair mortars, external insulating finishing systems (EIFS) and mineral based plasters.

Packaging

Cemplete 8515HP is available in 25 kg paper bags with polyethylene liners.

The data presented in this Technical Data Sheet are in accordance with the present state of our knowledge.

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