

ORP 7085 HM

Redispersible Powder for Dry-Mix Mortars

1/11

INTRODUCTION

ORP 7085 HM is a redispersible powder produced by drying an emulsion of VAM / Acrylic copolymer with PVOH as protective colloid. The specific chemical composition of the polymer allows coalescence of the redispersed polymer at low temperatures and provides good adhesion to cementitious substrates.

ORP 7085 HM is used to modify mixtures containing hydraulic binders. Due to its particular chemical / physical composition, **ORP 7085 HM** improves adhesion, flexibility and water resistance of mortars containing hydraulic binders such as cement, gypsum or lime.

TYPICAL PROPERTIES

Appearance	White powder
Chemical composition	VAM / Acrylic Copolymer
Stabilizing System	PVOH
Residual Humidity	~1 %
Density (g/l)	525 ± 75
Ash Content % ± 2	11
Alkali Resistance	High
<u>After 1:1 Dispersion with Water</u>	
pH	6.0 – 7.0
MFFT (°C)	7

APPLICATION AREAS

Tile Adhesives:

Due to its strong adhesion properties, **ORP 7085 HM** can be used for manufacturing of tile adhesives fulfilling C1 & C2 requirements.

The recommended dosages:

C1 tile adhesives: 0.5 – 1.0 %

C2 tile adhesives: 1.0 – 3.0 %

Repair Mortars:

Having excellent adhesion properties, abrasion and water resistance, **ORP 7085 HM** can be used between 1.0 – 2.0 % in repair mortar formulations.

PRODUCT HANDLING – STORAGE – SHELF LIFE

Packaging: Pallet with 18 paper bags, each 25 kg (450 kg) or big bags (500 kg).

Packages must be stored in a dry and cool warehouse at temperatures between 10 – 25 °C. Pallets must not be stacked on top of each other to avoid caking due to the thermoplasticity of the polymer. Packing must be closed well after usage for protection against humidity and caking. It has to be used within 6 months.

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