

ORP[®] 7099 RD

Redispersible Powder for Dry-Mix Mortars

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INTRODUCTION

ORP 7099 RD is a redispersible powder produced by drying an emulsion of Vinyl Acetate / 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 7099 RD is used to modify mixtures containing hydraulic binders. Due to its particular chemical / physical composition, **ORP 7099 RD** improves adhesion, flexibility and water resistance of mortars containing hydraulic binders such as cement, gypsum or lime.

TYPICAL PROPERTIES

Appearance	White powder
Chemical composition	VA / Acrylic Copolymer
Stabilizing System	PVOH
Residual Humidity (%)	Max. 1.5
Density (g/l)	400 - 600
Ash Content (%)	12 ± 2
Alkali Resistance	High
<u>After 1:1 Dispersion with Water</u>	
pH	6.0 – 7.0
MFFT (°C)	0

APPLICATION AREAS

Tile Adhesives:

Due to its strong adhesion properties, **ORP 7099 RD** 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: 2.0 – 5.0 %

Repair Mortars:

Having excellent adhesion properties, abrasion and water resistance, **ORP 7099 RD** can be used between 1.0 – 2.0 % in repair mortar formulations.

PRODUCT HANDLING – STORAGE – SHELF LIFE

Packaging: Pallet with 18 or 30 paper bags, each 25 kg (450 or 750 kg) also 500 kg of big bags.

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 thermo plasticity of the polymer.

Packing must be closed well after usage for protection against humidity and caking. It has to be used within 12 months.