

# ORP<sup>®</sup> 5070 MP

## Redispersible Powder for Dry-Mix Mortars

3/12

### INTRODUCTION

**ORP 5070 MP** is a redispersible powder produced by drying an emulsion of Vinyl Acetate / VeoVa 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 5070 MP** is used to modify mixtures containing hydraulic binders. Due to its particular chemical / physical composition, **ORP 5070 MP** improves **adhesion**, flexibility and **water resistance** of mortars containing hydraulic binders such as cement, gypsum or lime. Especially after heat aging and water immersion conditions **ORP 5070 MP** provides excellent performance.

### TYPICAL PROPERTIES

Appearance	White powder
Chemical composition	VA / VeoVa Copolymer
Stabilizing System	PVOH
Residual Humidity (%)	Max. 1.5
Density (g/l)	525 ± 75
Ash Content (%)	12 ± 2
Alkali Resistance	High
<u>After 1:1 Dispersion with Water</u>	
pH	6.0 – 7.0
MFFT (°C)	8

### APPLICATION AREAS

#### Adhesives:

Due to its strong adhesion properties, **ORP 5070 MP** can be used for manufacturing of tile adhesives and EIFS adhesives fulfilling requirements of standards.

The recommended dosages:

C1 tile adhesives	: 0.5 – 1.0 %
C2 tile adhesives	: 2.0 – 5.0 %
EIFS adhesives	: 1.0 – 2.0 %

#### Tile Grouts and Repair Mortars:

Having excellent adhesion properties, abrasion and water resistance, **ORP 5070 MP** can be used in tile grouts and repair mortar formulations, between 2.0 – 4.0 %.

#### EIFS Plasters:

Because of providing excellent water resistance and compressive strength **ORP 5070 MP** can be used also in EIFS plaster formulations, between 3.0 – 5.0 %

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