

---

# ORP<sup>®</sup> 5090 MP

## Redispersible Powder for Dry-Mix Mortars

---

### INTRODUCTION

**ORP 5090 MP** is a redispersible powder produced by drying an emulsion of Vinyl Acetate / Vinyl Versatate 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 5090 MP** is used to modify mixtures containing hydraulic binders. Due to its particular chemical / physical composition, **ORP 5090 MP** 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 / VV Copolymer
Stabilizing System (%)	PVOH
Residual Humidity (%)	Max. 2.0
Bulk Density (g/l)	400 - 600
Ash Content (%)	12 ± 2
Alkali Resistance	High
<u>After 1:1 Dispersion with Water</u>	
MFFT (°C)	5 ± 1

### APPLICATION AREAS

#### Tile Adhesives:

Due to its strong adhesion properties, **ORP 5090 MP** 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 %

### PRODUCT HANDLING – STORAGE – SHELF LIFE

Packaging: Pallet with 18 paper bags, each 25 kg, also 500 or 1000 kg of big bags.

Packages must be stored in a dry and cool warehouse. 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 after the date of delivery.

---

**Important Notice:** This information is based on our present state of knowledge and is intended to provide general notes on Orgchem Products and their uses. It should not therefore be construed as a guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.