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# ORP<sup>®</sup>Thermobond 65

## Redispersible Powder for Dry-Mix Mortars

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### INTRODUCTION

**ORP Thermobond 65** is a redispersible powder produced by drying an emulsion of Vinyl Acetate / Vinyl Versatate / Acrylic terpolymer 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 on mineral substrates.

**ORP Thermobond 65** is used to modify mixtures containing hydraulic binders. Due to its particular chemical / physical composition, **ORP Thermobond 65** improves adhesion, **flexibility** and water resistance of mortars containing hydraulic binders such as cement, gypsum or lime. Especially because of the flexible nature **ORP Thermobond 65** performs very well in transverse deformation conditions.

### TYPICAL PROPERTIES

Appearance	White powder
Chemical composition	VA / VV / Acrylic Terpolymer
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)	0 ± 1

### APPLICATION AREAS

**ORP Thermobond 65** can be used in mortar formulations where good flexibility/elasticity, recovery and thixotropic behavior is required.

#### ETICS (Exterior Thermal Insulation Coating Systems) Plasters:

Due to its excellent flexibility and water resistance, **ORP Thermobond 65** can be used for manufacturing of cementitious base coats applied on EPS&XPS boards in ETICS. The recommended dosage: 3.0 – 5.0 %

#### Adhesives for EPS&XPS boards in ETICS:

The recommended dosages: 1.0 – 2.0 %

#### Tile Adhesives (S1 & S2):

The recommended dosages: 3.0 – 7.0 %

### 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.

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