

ORP[®] Thermobond 74

Redispersible Powder for Dry-Mix Mortars

1/13

INTRODUCTION

ORP Thermobond 74 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 on mineral substrates.

ORP Thermobond 74 is used to modify mixtures containing hydraulic binders. Due to its particular chemical / physical composition, **ORP Thermobond 74** 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 74** performs very well in transverse deformation conditions.

TYPICAL PROPERTIES

Appearance	White powder
Chemical composition	VA / Acrylic Copolymer
Stabilizing System	PVOH
Residual Humidity (%)	Max. 1.5
Density (g/l)	420 ± 50
Ash Content (%)	14 ± 2
Alkali Resistance	High
<u>After 1:1 Dispersion with Water</u>	
pH	6.0 – 7.0
MFFT (°C)	0

APPLICATION AREAS

ORP Thermobond 74 can be used in mortar formulations where good flexibility/elasticity, recovery and thixotropic behavior is required.

EIFS (Exterior Insulation and Finishing Systems) Plasters:

Due to its excellent flexibility and water resistance, **ORP Thermobond 74** can be used for manufacturing of cementitious base coats applied on EPS&XPS boards in EIFS. The recommended dosage: 3.0 – 5.0 %

Adhesives for EPS&XPS boards in EIFS:

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 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.



Technical Data Sheet

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