

ORP[®] Thermobond 74

Redispersible Powder for Dry-Mix Mortars

INTRODUCTION

ORP Thermobond 74 is a redispersible powder produced by drying an emulsion of Vinyl 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. 2.0
Bulk Density (g/l)	350 - 550
Ash Content (%)	14 ± 2
Alkali Resistance	High
<u>After 1:1 Dispersion with Water</u>	
MFFT (°C)	0 ± 1

APPLICATION AREAS

ORP Thermobond 74 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 74** 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.

Important Notice: This information is based on our present state of knowledge and is intended to provide general notes on Organik Kimya 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.