

ZNR™ CEOFIX BOND

Thermal Insulating Board Adhesion Mortar

Product Description	Polymer-modified and cement based ready mortar, with a high adhesive feature, used for adhering thermal and noise insulation boards.																																	
Product Number	504																																	
Areas of Application	For attaching extruded polystyrene (XPS) or expanded polystyrene (EPS) boards and rock wool thermal insulation boards onto internal and external surfaces of buildings and for vertical, horizontal and ceiling applications.																																	
Characteristics /Advantages	<ul style="list-style-type: none">● Not affected by water.● Perfectly adheres to surfaces such as concrete, brick, gas concrete, plaster, prefabricated panels, etc.● Suitable for indoor and outdoor applications.● Suitable for horizontal, vertical and ceiling applications.● Resistant against external effects and frost.● Economic.																																	
Reference Standard	TS 13566																																	
Technical Data	<table><tr><td>Powder Color</td><td>Grey</td></tr><tr><td>Package</td><td>25 kg kraft bags</td></tr><tr><td>Density (Fresh Mortar)</td><td>1.60 kg/m³ (23 °C)</td></tr><tr><td>Working Temperature</td><td>+ 5°C - + 35°C</td></tr><tr><td>Exposed Waiting Time</td><td>> 30 minutes</td></tr><tr><td>Pot Life</td><td>90 minutes</td></tr><tr><td>Flexural Strength</td><td>≥2.00 N/mm² (28 days) ~3.00 N/mm² (28 days)</td></tr><tr><td>Pressure Strength</td><td>≥6.00 N/mm² (28 days) ~8.00 N/mm² (28 days)</td></tr><tr><td>Base Concrete Adhesion Strength</td><td>≥0.5 N/mm² (28 days)</td></tr><tr><td>Reaction to Fire Class</td><td>A1</td></tr><tr><td>Adhesion Strength on EPS Thermal Insulation Material</td><td>≥0.08 N/mm² (28 days)</td></tr><tr><td>Water Absorption</td><td>30 minutes 5gr, 240 minutes Maximum 10 gr (28 days)</td></tr><tr><td>Application Thickness</td><td>Minimum 3mm / Maximum 6 mm</td></tr><tr><td>Consumption</td><td>~1.60 kg/m² material is used for 1mm of thickness (variable, depending on surface conditions)</td></tr><tr><td>Application tools</td><td>Notched comb</td></tr><tr><td>Storage</td><td>Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags on each other.</td></tr></table>		Powder Color	Grey	Package	25 kg kraft bags	Density (Fresh Mortar)	1.60 kg/m ³ (23 °C)	Working Temperature	+ 5°C - + 35°C	Exposed Waiting Time	> 30 minutes	Pot Life	90 minutes	Flexural Strength	≥2.00 N/mm ² (28 days) ~3.00 N/mm ² (28 days)	Pressure Strength	≥6.00 N/mm ² (28 days) ~8.00 N/mm ² (28 days)	Base Concrete Adhesion Strength	≥0.5 N/mm ² (28 days)	Reaction to Fire Class	A1	Adhesion Strength on EPS Thermal Insulation Material	≥0.08 N/mm ² (28 days)	Water Absorption	30 minutes 5gr, 240 minutes Maximum 10 gr (28 days)	Application Thickness	Minimum 3mm / Maximum 6 mm	Consumption	~1.60 kg/m ² material is used for 1mm of thickness (variable, depending on surface conditions)	Application tools	Notched comb	Storage	Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags on each other.
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Surface Preparation	The application surface should be cleaned from loose parts, grease and other chemicals and should be clean. Concretes, cements and plasters should be dried and should have completed setting time. Mointen the surface if the surface is absorbent or if application is made at hot temperature.																																	
Preparation Instructions	Pour ZNR CEOFIX BOND Thermal Insulation Board Adhesive powder (25 kg) into 6-7 kg (variable, depending on air temperature) clean and cool mixing water and mix with a proper low-speed mixer for 3-4 minutes to obtain a homogenous and smooth mixture and wait for 5-10 minutes. Make the maturing material ready for use by re-mixing. Do not add water into the powder material.																																	
Application	It is recommended to make the application at a temperature between +5 and +35 °C. Place the prepared ZNR CEOFIX BOND Thermal Insulation Board Adhesive on all sides of back surfaces of the boards continuously and as points on the middle parts. Press the boards on the surface where they will be adhered and ensure that they are firmed well by gently hitting with a wood or rubber mallet. After curing of the adhesive, fix the boards mechanically with rawlplugs.																																	
Considerations	<ul style="list-style-type: none">● While placing the boards, avoid occurrence of film layer that may arise due to drying of the mortar on the surface.● Do not make application below +5°C.● Mechanical rawlplug procedure should be performed earlier for high-rise applications and windy areas.																																	

General Matters	Abovementioned product data and descriptions are prepared for guiding purposes as a result of our experiences and diligent studies. We, individually, can not control or affect the variety of the related materials and various construction and working conditions. Warranty is limited to only quality of the purchased material for the applications that are not under our control. No warranty is committed for application, but only for product manufacturing. This technical flyer overrides former flyers. Quality of the work may vary depending on how professionally the product is used. In case of hesitation, please perform a small test or ask for technical help.
Disposal	Empty packings can be disposed to collection bins according to regional/local regulations or recycling rules. Dispose used waste materials as construction waste materials after drying and hardening. It is dangerous to dispose by burning the product remnants.
Safety Information	Keep the products out of reach of children. Keep the lids of the products closed. It is recommended to use gloves and goggles during application. In case of contact with skin, wash immediately with soap. In case of contact with eyes, immediately consult a doctor. For more information, please refer to the material safety data sheet.