

ZNR™ CEOFIX SUPER GREY Tile Adhesive

Product Description	Cement-based, one-component, easy-to-use, highly-stable, relatively economical adhesive used for attaching tiles, ceramics and granites onto cement based surfaces such as concrete, plaster, screed, etc.																																																				
Product Number	702																																																				
Areas of Application	<ul style="list-style-type: none">• For attaching tiles, ceramics, glazed tiles, granites, decorative bricks, cast and natural stones.• For vertical and horizontal applications of internal and external parts of buildings,• All ceramic coating materials with high absorption capacity,• Wet areas such as kitchen, balcony, terrace, swimming pools and water reservoirs.																																																				
Characteristics /Advantages	<ul style="list-style-type: none">• Economic,• Suitable for indoor and outdoor applications,• Easy to prepare and apply, long operation time,• Can be safely applied on horizontal and vertical surfaces,• Resistant to water and frost after curing,• Impact and vibration resistant, highly adhesive.																																																				
Reference Standard	TS EN 12004 C1 : Normally Hardening Cement Adhesive																																																				
Technical Data	<table><tr><td>Powder Color</td><td colspan="2">Grey</td></tr><tr><td>Package</td><td colspan="2">25 kg kraft bags</td></tr><tr><td>Density (Fresh Mortar)</td><td colspan="2">~ 1.6kg/m³ (at +23C)</td></tr><tr><td rowspan="5">Tensile Adhesion Strength</td><td>Initial</td><td>≥ 0.5 N/mm²</td></tr><tr><td>After Immersing into Water</td><td>≥ 0.5 N/mm²</td></tr><tr><td>After Aging with Heat</td><td>≥ 0.5 N/mm²</td></tr><tr><td>After Freezing-Thawing Conversions</td><td>≥ 0.5 N/mm</td></tr><tr><td>Exposed Maturing (after 20 minutes)</td><td>≥0.5 N/mm²</td></tr><tr><td>Reaction to Fire Class</td><td colspan="2">A1</td></tr><tr><td>Surface and Ambient Temperature</td><td colspan="2">+5°C / +35°C</td></tr><tr><td>Temperature Strength</td><td colspan="2">-15°C / +80°C</td></tr><tr><td>Exposure</td><td colspan="2">45 minutes</td></tr><tr><td>Potlife</td><td colspan="2">Approximately 180 minutes (at +23 °C)</td></tr><tr><td>Opening for Pedestrian Traffic</td><td colspan="2">24 hours</td></tr><tr><td>Starting with Joint Gap Application</td><td colspan="2">24–48 hours (depends whether on wall or on ground)</td></tr><tr><td>Application Tool</td><td colspan="2">Notched trowel suitable for ceramic size</td></tr><tr><td>Consumption</td><td colspan="2">~3,00-7,00 kg/m² for 1mm of thickness</td></tr><tr><td>Storage</td><td colspan="2">Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags of each other.</td></tr></table>			Powder Color	Grey		Package	25 kg kraft bags		Density (Fresh Mortar)	~ 1.6kg/m³ (at +23C)		Tensile Adhesion Strength	Initial	≥ 0.5 N/mm²	After Immersing into Water	≥ 0.5 N/mm²	After Aging with Heat	≥ 0.5 N/mm²	After Freezing-Thawing Conversions	≥ 0.5 N/mm	Exposed Maturing (after 20 minutes)	≥0.5 N/mm²	Reaction to Fire Class	A1		Surface and Ambient Temperature	+5°C / +35°C		Temperature Strength	-15°C / +80°C		Exposure	45 minutes		Potlife	Approximately 180 minutes (at +23 °C)		Opening for Pedestrian Traffic	24 hours		Starting with Joint Gap Application	24–48 hours (depends whether on wall or on ground)		Application Tool	Notched trowel suitable for ceramic size		Consumption	~3,00-7,00 kg/m² for 1mm of thickness		Storage	Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags of each other.	
Powder Color	Grey																																																				
Package	25 kg kraft bags																																																				
Density (Fresh Mortar)	~ 1.6kg/m³ (at +23C)																																																				
Tensile Adhesion Strength	Initial	≥ 0.5 N/mm²																																																			
	After Immersing into Water	≥ 0.5 N/mm²																																																			
	After Aging with Heat	≥ 0.5 N/mm²																																																			
	After Freezing-Thawing Conversions	≥ 0.5 N/mm																																																			
	Exposed Maturing (after 20 minutes)	≥0.5 N/mm²																																																			
Reaction to Fire Class	A1																																																				
Surface and Ambient Temperature	+5°C / +35°C																																																				
Temperature Strength	-15°C / +80°C																																																				
Exposure	45 minutes																																																				
Potlife	Approximately 180 minutes (at +23 °C)																																																				
Opening for Pedestrian Traffic	24 hours																																																				
Starting with Joint Gap Application	24–48 hours (depends whether on wall or on ground)																																																				
Application Tool	Notched trowel suitable for ceramic size																																																				
Consumption	~3,00-7,00 kg/m² for 1mm of thickness																																																				
Storage	Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags of each other.																																																				
	These values were obtained as a result of experiments under laboratory conditions at 23 ± 2°C and 50% ± 5 relative humidity. The values given in the table may vary depending on surface and ambient conditions.																																																				
Surface Preparation	Remove loose parts, grease and other chemicals from the application area and repair the defects on the surface using ZNR REPAIR mortar. If the surface temperature of the application area is over 25°C, moisten and saturate the surface.																																																				
Preparation Instructions	Pour powder material (25 kg) into 5.50-6.50 lt (variable, depending on air temperature) clean and cool mixing water (do not add water into the powder) and mix with a proper low-speed mixer for 3-4 minutes to obtain a homogenous and smooth mixture.																																																				
Application	After resting the mixture for 3-5 minutes, mix again and propagate on the surface by applying uni-directionally using a notched trowel suitable for the ceramic size. Attach the ceramics on the notched mortar within 45 minutes under normal temperature and humidity conditions. Exposed waiting time is approximately 45 minutes under normal temperature and humidity conditions. Adherence time may be shorter depending on the ambient conditions. Leave the desired joint spacing between the ceramics during application and, in order to ensure																																																				

	complete contact of the mortar on the surface with the ceramic, gently compress and ensure that the ceramic completely surrounded by the mortar. Joint mortaring should be performed after approximately 24 hours for wall applications and approximately 48 hours for ground applications. It is recommended to use a suitable ZNR Joint Sealant for the joints.
Considerations	<ul style="list-style-type: none"> • Never use expired or encrusting mortars. Do not add water into the mortar that has already hardened. Do not use more water than recommended. Do not moisten the applied adhesive for prolonging exposed waiting time since it will affect adherence performance. • Apply only on firm and prepared surfaces. Moisten the coatings in advance. • Do not apply thicker than recommended. • Protect the applications from rain, frost, wind, sunlight and high temperatures for the first 24 hours.
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. <u>It is dangerous to dispose by burning the product remnants.</u>
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.