

ZNR™ TILEBOND SERIES 1000 + FLEX TILE ADHESIVE

Product Description	Cement based, one-component, tiles, ceramic tiles, granite and marble, concrete, plaster, cement used for bonding on surfaces such as grout, with high stability, easy to use and highly economical adhesive.																																														
Product No	700-1																																														
Public Works No	04.013/1																																														
Areas of Application	● Bonding of ceramic tiles, glazed tile, granite, marble, decorative bricks, glass mosaic, Cast and natural Stone. ● For vertical and horizontal applications on the interior and exterior of buildings, ● On surfaces with floor heating systems, industrial floors, and all surfaces that are susceptible to shrinkage or thermal movements, ● Bonding of all kinds of high absorbent ceramic coatings, ● On wet areas like bathroom, kitchen, balcony, terrace, swimming pools and water reservoirs.																																														
Advantages	● It can be used interior and exterior. ● Easy to prepare and apply, elongated application time, ● It can be safely applied on horizontal and vertical surfaces. ● After cured it is durable to frost and water. ● Resistant to shock and vibration, it shows high adhesion. ● Concrete, cementitious mortar, stone, bricks etc. It shows very good adhesion on different surface types.																																														
Quality Certificates	TS EN 12004 C2TE C2 : Enhanced cement based adhesive T : Slip is reduced E : Extended Working Time																																														
Technical Data	<table><tr><td>Color</td><td colspan="2">White</td></tr><tr><td>Packaging</td><td colspan="2">25 kg</td></tr><tr><td>Density (Fresh Mortar)</td><td colspan="2">~ 1,80 kg / m³ (at 23 °C)</td></tr><tr><td rowspan="6">Tensile Adhesion Test</td><td>Starting</td><td>≥ 0,5 N/mm² ~1,5 N/mm²</td></tr><tr><td>Submerged into Water</td><td>≥0,5 N/mm² ~1,1 N/mm²</td></tr><tr><td>After aging with Heat</td><td>≥0,5 N/mm² ~0,8 N/mm²</td></tr><tr><td>Freez-Thaw Cycle</td><td>≥0,5 N/mm² ~1,2 N/mm²</td></tr><tr><td>Slipping</td><td>≤0,5 N/mm²</td></tr><tr><td>Surface and Ambient Temperature</td><td colspan="2">+5 °C / +35 °C</td></tr><tr><td>Temperature Resistance</td><td colspan="2">-15 °C / +80 °C</td></tr><tr><td>Open Time</td><td colspan="2">70 minutes (at 23 °C)</td></tr><tr><td>Pot life</td><td colspan="2">Approx. 180 minutes (at 23 °C)</td></tr><tr><td>Application Tool</td><td colspan="2">Notched trowel suitable for ceramic size</td></tr><tr><td>Starting Tile Grout</td><td colspan="2">24–48 hrs. (dependent on wall or floor application)</td></tr><tr><td>Consumption</td><td colspan="2">~3,00 – 7,00 kg / m² Consumption values may vary depending on the condition and roughness of the surface, size of the adhered material, and placing technique (application of the adhesive on wall or on ground)</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 on each other</td></tr></table>			Color	White		Packaging	25 kg		Density (Fresh Mortar)	~ 1,80 kg / m³ (at 23 °C)		Tensile Adhesion Test	Starting	≥ 0,5 N/mm² ~1,5 N/mm²	Submerged into Water	≥0,5 N/mm² ~1,1 N/mm²	After aging with Heat	≥0,5 N/mm² ~0,8 N/mm²	Freez-Thaw Cycle	≥0,5 N/mm² ~1,2 N/mm²	Slipping	≤0,5 N/mm²	Surface and Ambient Temperature	+5 °C / +35 °C		Temperature Resistance	-15 °C / +80 °C		Open Time	70 minutes (at 23 °C)		Pot life	Approx. 180 minutes (at 23 °C)		Application Tool	Notched trowel suitable for ceramic size		Starting Tile Grout	24–48 hrs. (dependent on wall or floor application)		Consumption	~3,00 – 7,00 kg / m² Consumption values may vary depending on the condition and roughness of the surface, size of the adhered material, and placing technique (application of the adhesive on wall or on ground)		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 substrate should be cleaned of all loose parts, oil and other chemicals and the defects on the surface are to be repaired with ZNR Repair Mortar. If the temperature of the surface, where the application will take place, is above 35°C, surface has to be saturated.																																														

Preparation	ZNR TILEBOND SERIES 1000 + 25 kg powder material is poured into 7-7,5 LT (it may vary depending on air temperature) of clean and cool mixing water and with a low-speed and suitable mixer, a smooth homogeneous mixture is obtained in 3-4 minutes.
Application	After resting the mixture for 3-5 minutes it is stirred again, it is pulled in one direction with a fine-toothed notched trowel which is suitable for the ceramic size. Ceramics are bonded over the mortar which are combed in 30 minutes. Open time is approximately 20 minutes at normal temperature and humidity conditions. Depending on ambient conditions, during adhesion desired joint gap is left between ceramics; and in order to ensure full contact of the mortar on the surface to the ceramic, it is gently pressed and made sure it floats in the mortar. Mortaring operation should be made approximately 24 hours later in wall applications and 48 hours later in floor applications. It is recommended to use a suitable ZNR Joint Sealant for the joints.
Points to Take into Consideration	• Expired or crusted mortar must not be used. Hardened mortar must not be re-watered Do not use more than the amount suggested. It will affect the adhesion performance, should not be dampened to extend the open waiting time. Only apply on prepared surfaces. The coating should be pre-moistened. • Do not apply thicker than suggested. • Applications should be protected from rain, frost, wind, direct sunlight, and extreme heat for the first 24 hours.
General Considerations	The above-mentioned information was obtained with our careful research and experimentation in order to guide the application. Variety of materials and construction conditions cannot be controlled or affected individually. Incidents beyond our control are only limited to warranty on product quality. No warranties on application are implied other than manufactured product. This technical data sheet nullifies any prior technical data sheet. The quality and performance of the product is relative to the utilization technique. In case of a doubt a small test or getting technical support is recommended.
Disposal	Empty packaging can be disposed of according to local and state regulations, or can be collected in recycling bins. Waste material must be disposed as construction waste after dried completely. Incinerating the waste product is dangerous.
Safety Information	Keep products out of reach of children. Keep product sealed at all times. Using protective gear such as goggles and gloves is recommended. In case of skin contact the surface must be cleaned with fresh water and soap. In case of eye contact a physicians must be seen immediately. Further information can be obtained from safety data sheet