

ZNR™ TILEBOND SERIES 5000 ULTRAFLEX FLEX TILE ADHESIVE

Product Description	Cement-based, single component cementitious adhesive with high stability, easy to use and economical. It is used for bonding tiles, ceramics, granite and marble on cement-based surfaces, concrete, plaster, dry wall, wood, and screed.
Product Number	704
Areas of Application	- Used on granite, marble, ceramics, tiles, decorative bricks, glass mosaic, artificial and natural stones where great adherence is desired, - On ceramic tiles that have less absorptive characteristics, - In wet areas such as bathrooms, kitchens, balconies, terraces, swimming pools, and water tanks, - On cement-based bricks, bricks, gypsum (with primer) dry wall (with primer), prefabricated lightweight concrete, floor heating systems, and on existing ceramic surfaces, - On surfaces with floor heating systems, industrial floors, and all surfaces that are susceptible to shrinkage or thermal movements, - On surfaces that has low absorption and primers are not desired, - On structures with vertical and horizontal applications suitable for interior and exterior applications.
Advantages	- Due to high flexibility suitable for exterior applications. - Extended open time. Class E - Performs great adherence on variant surfaces (Concrete, bricks, natural stones, existing coatings) - Suitable for vertical and horizontal applications. - Resistant to frost and water after cured. - Resistant to vibrations and impacts, shows great adherence. - Performs great adherence on variant surface types such as concrete, cement-based mortars, stones, bricks, etc.
Reference Standards	TS EN 12004 according C2TES2 C2 : Enhanced cement-based adhesive T : Slip is reduced E : Extended Working Time S2 : Deformable

Technical Data

Powder Color	White, Grey
Packaging	25 kg
Density (Fresh Mortar)	~ 1,75 kg / m ³ (at 23 °C)
Tensile Strength	Starting ≥1,0 N/mm ² Submerged into Water ≥1,0 N/mm ² After aging with Heat ≥1,0 N/mm ² Freezing-Thawing ≥1,0 N/mm ² Open waiting tensile strength ≥0,5 N/mm ² Slipping ≤0,5 mm
Surface and Ambient Temp.	+5 °C / +35 °C
Temperature Resistance	-15 °C / +80 °C
Reaction to Fire Class	A1
Open Time	45 minutes (at 23 °C)
Pot Life	Approx. 120 minutes (at 23 °C)
Application Tool	Notched trowel suitable for ceramic size
Consumption	~3,00 – 7,00 kg / m ² 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)
Starting Tile Grout Application	24-48 hours (depends whether 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

Surface Preparation	The substrate must be cleaned of all loose parts, oil and other chemicals and the substrate must be repaired with ZNR Repair Mortar . If the temperature of the surface is above 25°C moist the surface. Under normal circumstances use of primer is not necessary. In case ZNR Primer should be used.
Preparation Instruction	ZNR TILEBOND 5000 ULTRAFLEX 25 kg powder material is poured into 7-8 lt. (it may vary depending on ambient 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 the mixture is rested for 3-5 minutes it is mixed one final time and is applied with notched trowel in a unilateral direction. Under normal weather conditions ceramics are adhered within 30 minutes. Depending on the conditions open time can shorten. During the application appropriate grout spacing is obtained and in order to maximize mortar contact a slight compression is applied on the coating. The grout application must be carried out within 12-24 hours dependent on floor or wall application. For grouting an appropriate ZNR FUGA FLEX tile grout is recommended.
Points to Pay Attention	• Do not use expired products or any packing that has formed crust. In any circumstance do not add water on to cured mortar. Do not use more water than suggested amount. Adding water to aerated mortar will inhibit the performance of the mortar. • Only apply on rigid surfaces. • Do not exceed the suggested thickness. • Concrete surfaces must be at least 28 days old. • Gypsum surfaces must be at a minimum 10 mm. thickness and maximum 5% humidity level. • Applications must be protected from rain, frost, 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.