**SUPERIOR® SUPERBOND 5000 - White**

**GRANITE AND NATURAL STONE ADHESIVE**

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| **Product Description** | Cement based, single ingredient, elastic adhesive with high performance for glazed tiles, ceramic tiles, granite and marble on cement based surfaces like cement, plaster and cement finish (alum).  Engineered and designed for professional installers, SUPERBOND all-purpose Thin-Set Mortar is Polymer-Modified for an exceptional bond strength for multi surfaces.  SUPERBOND 5000 exceeds **ANSI** standards without requiring any additional additives.  SUPERBOND is designed for quick settings even in lower-colder temperatures |
| **Areas of Application** | * Strong bonding of glazed tile, ceramic tile, encaustic tile, granite, marble, decorative brick, glass mosaic, natural and artificial stone. * Strong bonding of ceramic coating with low absorbency. * Areas with wet volume like bathroom, kitchen, balcony, terrace, swimming pool and water tank. * Concrete mortar, brick, stucco (with plaster), gypsum board, prefabricated light concrete building material, underfloor heating systems and existing ceramic coated surfaces. * Underfloor heated and industrial floors, all kinds of surfaces that are vulnerable to contraction and thermal movements. * Surfaces with low absorbency where plaster is not desired. * Vertical and horizontal applications at inner and outer spaces of structures. * Waterproofing Membrane, Crack Prevention Membrane |
| **Advantages** | * Polymer Modified white thin-set allows for quicker installations in colder temperatures. Comparable, competitive and cost effective among the other thin-set brands. Exceeds **ANSI** standards. * Due to its high flexibility, can be used readily at outdoor spaces. * Provides very good adhesion on different surface types. (like concrete, cement mortar, natural stone, briquette and existing coating) * Can be applied securely on vertical and horizontal surfaces. * Resistant against water and freezing after it is cured. * Resistant against shock and vibration, provides high adhesion. * Provides very good adhesion on different surface types like concrete, cement mortar, stone and briquette. |
| **Quality Certificates** | **C2TE** according to TS EN 12004  **C2:** Cement Based High Performance.  **T:** Reduced Slipping Property.  **E:** Reduced Working Duration. |
| Technical Data | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Dust Color** | White |  |  |  | | **Packaging** | 50 lbs. craft bags |  |  |  | | **Density (Fresh Mortar)** | ~ 3.85 lbs/m³ (at +20°C) |  |  |  | | **Application Thichness** | min 3 mm, max 5 mm |  |  |  | | **Tensile and Splice Strength** | Start  ≥ 1,0 N/mm² ~ 1,5 N/mm²  After Submersion  ≥ 1,0 N/mm² ~ 1,5 N/mm²  After Aging by Heating  ≥ 1,0 N/mm² ~ 1,5 N/mm²  After Freezing/Melting Conversions  ≥ 1,0 N/mm² ~ 1,5 N/mm²  Tensile Strength in the Open  ≥ 0,5 N/mm² ~ 1,5 N/mm²  Slipping  ≤ 0.5 mm |  |  |  | | **Fire Reaction Class**  **Surface and Ambient Temperature** | A1  +5°C / +35°C |  |  |  | | **Leaving Open Period** | 30 minutes |  |  |  | | **Pot Life** | Approximately 180 minutes (at +20°C) |  |  |  | | **Opening to Traffic** | 24 hours |  |  |  | | **Starting Fuga Application** | 24-48 hours (depending on floor or wall) |  |  |  | | **Application Tool** | Notched trowel suitable to the size of coating. |  |  |  | | **Consumption** | ~8,80 lbs/m² The consumption values varies depending on surface conditions, roughness, size of the bonded material and placing technique (adhesive on single side or both sides) |  |  |  | | **Storage** | Shelf life is approximately 12 months. Store at cool and dry conditions by stacking at most 10 bags tall. |  |  |  | |
| **Preparing the Surface** | The application surface is prepared by cleaning loose particles, oil and other chemicals and surface defects are repaired with repair mortar.  If the application surface temperature is above 25°C, the surface is saturated by moistening with water.  Under normal conditions there is no need for plaster use. Under conditions where adhesion will be difficult, plaster should be used. |
| **Preperation Instructions** | 50 lbs dust material **SUPERIOR® SUPERBOND 5000 – White** is poured on 14,35 – 15,45 lbs (can change depending on air temperature) of clear and cool mixture water (water should not be poured on dust material) and a homogeneous mixture is made in 3-4 minutes with a suitable low-speed mixer. |
| Application | The mixture is rested for 3-5 minutes, mixed again and applied to the surface by spreading in a single direction with a notched trowel suitable to the ceramic tile size.  The ceramic tiles are applied on the troweled mortar in 20 minutes under normal temperature and moisture conditions. The leaving open period is approximately 20 minutes under normal temperature and moisture conditions. Depending on the environmental conditions, the adhesion time can be shorter.  During adhesion, the desired joint gap is left, slight pressure is applied to the ceramic tile in order to ensure complete contact with mortar and floatation in mortar is ensured.  Grouting should be done in 12 hours for wall applications and 24 hours for floor applications. A suitable Fuga Grouting product is advised for the application. |
| **Points to Take into Consideration** | Expired or crusted mortar should not be used. Hardened mortar should not be moistened again. Do not use more water than the specified amount. Do not moisten the applied mortar to extend the adhesion period as it will affect the adhesion performance.  Use only on solid and prepared surfaces. The coating materials should be moistened first.  Do not apply thicker than the specified amount.  Concrete surfaces should be constructed at least 28 days prior to application.  The applications should be protected from rain, frost, wind, direct sunlight and high temperature for the first 24 hours. |
| **General Considerations** | The information and explanations above are prepared with our experience and research in order to act as a guide. The variety of the relevant material, different construction and working conditions cannot be controlled by us individually. Warranty conditions are limited with the quality of the purchased product in out of control applications. No warranty is given on application apart from the manufactured product. This technical manual disqualifies all previously existing manuals. The quality of the applications can vary due to the professional use of the product. In case of uncertainty, make a small test and get technical support. |
| **Disposal** | Empty packaging should be put to collection boxes according to local or recycling regulations. Dispose the used material after hardening as construction waste. Burning the product leftovers is dangerous. |
| **Safety Information** | Keep children away from the product. Keep the product lid closed. Gloves and googles should be used in application. In case of contact with skin, wash with soap and water immediately. In case of contact with eye, see your physician. For more information, read the security information form. |