

HighBond ACR 500

Single Component Acrylic Based Tile & Granite Adhesive

Product Description

Acrylic based, one-component, elastic, paste type adhesive with high adhesion capability used for attaching tiles, ceramics and granites.

Areas of Application

- For strongly attaching tiles, ceramics, glazed tiles, marbles, decorative bricks, glass mosaics, cast and natural stones.
- For strongly attaching ceramic coatings with low absorption capacity.
- Wet areas such as kitchen, balcony, terrace, swimming pools and water reservoirs.
- Concrete-mortar, brick, gypsum (using primer), plaster board, pre-fabricated light concrete construction elements, anhydride surfaces (using primer), underfloor heating systems, surfaces with existing ceramic coating.
- Surfaces with low absorption capacity where primer is not preferred.
- For vertical and horizontal applications of internal and external parts of buildings.



Advantages

- Due to its flexibility, the product can be used outdoors conveniently.
- Perfectly adheres to many different surfaces.(Concrete, cement mortar, brick, natural stone, existing coatings, etc.)
- Can be safely applied on horizontal or vertical surfaces.
- Impact and vibration resistant, highly adhesive.
- Anti-bacterial and anti-fungus.
- Perfectly adheres to different surface types such as concretes, cement mortars, stones, briquette, etc.
- Suitable for internal and external application.

Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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Technical Data

Property	
Colour	White
Density	~1.5 kg / m ³ (at 23 °C)
Mixture life	3-4 hours (at 23)
Application Temperature	+ 5 °C / 35 °C
Tensile Adhesion Strength	Initial Adhesion Strength $\geq 1,0$ N/mm ² After Immersing into Water $\geq 0,5$ N/mm ² After Aging with Heat $\geq 1,0$ N/mm ² Adhesion at High Temperature $\geq 1,0$ N/mm ² Exposed Waiting Time $\geq 0,5$ N/mm ² (20min)
Starting with Joint Gap Application	Minimum 12 hours for wall coverings, Minimum 24 hours for ground coverings
Consumption	~2.00 kg/m ² for 1mm of thickness (variable, depending on surface conditions)
Application Equipment	Fine-toothed comb suitable for the size of covering

Standards

- HighBond ACR 500 complies with BS 5980:1980 Class AA, Type 1 and ANSI A.118. 1 for shear strength.
- HighBond ACR 500 complies with BS EN 12004:2004: 2001, Type C2 for tensile adhesion strength.

Surface preparation

These values were obtained as a result of experiments in laboratory environment at $23 \pm 2^{\circ}\text{C}$ and $50\% \pm 5$ relative humidity. The values given in the table may vary depending on surface and ambient conditions.

Preparation Instructions and Application

Flooring surface shall be well-kept and smooth. Apply directly in the form taken out of the bucket. Never thin using water or a similar matter. Remove objects that may prevent adhesion from the covering surface. Re-mix the mortar before starting with the adhering process. Pour the adhesive mortar onto the surface and disperse on the surface using a notch suitable for the size of tiles. Immediately after this procedure, attach the ceramic tiles within 20 minutes at the latest.

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Considerations

- Application surface temperature should be between 5°C and 35°C.
- Do not touch or contact with water for 24 hours after application.
- Full hardening time of the material applied at a temperature of 20°C-25°C is 7 days in average.

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 www.znr.com.tr / 2 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.

Packaging

HighBond ACR 500 is available in 5 and 20Kg buckets.

Storage

HighBond ACR 500 has a shelf life of approximately 12 months. Products should be stacked in a cool and dry place.

Fire

HighBond ACR 500 is nonflammable.

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