

Cement Based Tile Adhesive Mortar with Extended Working Time

Cement based, C1TE class ceramic tile adhesive mortar with a long working pot-life, extended open time and reduced slippage features.

Advantages

- Saving time and labor with long working time
- Easy to apply and notch
- High adhesion strength

Areas of Use

Used for laying ceramic, tile and similar coating materials on interior walls and floors and gas concrete. Can be safely used on ceramic tiles from top to bottom.

Technical Information

Water Mixing Ratio 5.75 - 6.25 liters of water / 25 kg	Fire Reaction Class A1	Slippage ≤ 0.50 mm	Initial Bonding Strength ≥ 0.50 N/mm ²	Bonding Strength After Exposed Time Period ≥ 0.50 N/mm ²
Bonding Strength After Freeze-Thaw Cycles ≥ 0.50 N/mm ²	Adhesion Strength after Aging with Water ≥ 0.50 N/mm ²	Adhesion Strength after Thermal Aging ≥ 0.50 N/mm ²	Consumption 4.00 - 6.00 kg/m ² Yapbond® CA 54	

Surface Preparation Before Application

Ensure that the surface is clean, dry and strong. Remove dust, dirt, mold oil, slag and paint residues that prevent adhesion on the application surface. Scrape sub-surfaces that are not self-supporting such as cracked plasters, weak surfaces, mortar and cement residues from the surface. Scrape off any plaster thinner than 3 mm on the application surface and clean the surface thoroughly. In case of defects and cracks on the application surface, fix them using **YAPBUILT®** range of repair mortars at least 24 hours before the application. Before application, prime the surface with an appropriate primer of **YAPBOND®** range depending on the absorbency of the surface. Before starting the application on exposed concrete surfaces, prime the surface with **YAPBOND® GYPSOPLAST** to increase the adhesion strength. For ceramic applications on existing ceramics, prime the existing ceramics with **YAPBOND® PRIMER ULTRA**. Wipe dusty surfaces behind the ceramic with a damp cloth. Wet porous surfaces and wait until the water layer disappears while the surface remains damp.

Method of

Add 25 kg of **YAPBOND® CA 54** slowly over an average of 5.75 - 6.25 liters of clean water. Mix until a homogeneous mixture is obtained, preferably with a low speed mixer or a trowel. Do not add any substance that is not specified in the application instructions. Allow the prepared mortar to rest for 3-5 minutes to set. Mix again for 1-2 minutes before starting the application. Apply the mortar on the surface and adjust its thickness with a toothed steel trowel. Determine the tooth size of the trowel according to the size of the ceramic to be laid and the smoothness of the application surface. For ceramics larger than 500 cm², apply mortar both on the application surface and on the back of the ceramic (double-sided adhesion). To achieve good adhesion, expel the air by applying force by means of a rubber mallet. Bond the applied mortar within not more than 20-25 minutes.

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Maintenance and Recommendations

Use the product within the life cycle of the container. Never use expired or crusted mortar left in the container. Prevent contact of tiles adhered with **YAPBOND® CA 54** with direct water for at least 24 hours. Ensure that it is protected from frost and strong sunlight for 5-7 days. Proceed with joint filling application at least 24 hours after the ceramic adhesion applications to be performed on the floor. Floors can be opened to light pedestrian traffic after 24 hours. Protect the surface from air drafts during and after application. Prevent exposure of the mortar to direct sunlight in hot weather and mix the mortar with water at room temperature. Do not perform the application in rainy weather, and protect the application surface from rain for 24 hours. Ensure that surface temperature ranges between +5°C and +35°C during application. This product is not applicable on metal surfaces, floors to be exposed to heavy traffic, prefabricated floors and floors with underfloor heating, wooden floors, swimming pools, exposed concrete, plasterboard walls, surfaces exposed to climate changes and harsh conditions. Do not inhale the dust and avoid contact with skin and eyes as it is cement based. Wash hands and application tools with plenty of water after application. Clean surfaces with a damp cloth.

Storage and Shelf Life

Store in a clean, dry environment, free from moisture, between +5°C and +35°C, away from direct sunlight. Protect against water, frost and severe weather conditions. Store in stacks of maximum 10 layers. Storage life is maximum 12 months from the date of production, provided that the storage conditions specified are complied with.

Information on Safety

First, take all necessary Occupational Health and Safety precautions in the areas for the application and ensure that the operations are carried out by persons with technical knowledge and equipment. It is mandatory to use all occupational safety equipment such as work clothes, protective gloves/goggles/masks etc. specified in accordance with the Occupational Health and Safety instructions during the application. The working area needs to be ventilated. Do not approach warehouses and storage areas with fire. Avoid contact of the product with skin and eyes, immediately wash the area of contact with plenty of water and seek medical advice immediately in such a case. Also, prevent contact of food and beverages with the product. Store and protect away from children. See Material Safety Data Sheet (**MSDS**) for further information. Also, the application of the product should be carried out by persons with adequate technical knowledge, equipment and experience. The user is solely responsible for this.

Responsibil

All information provided in this data sheet is for recommendation purposes only. All products should be used by persons with technical knowledge and equipment, observing the recommendations. **YAPKİM Yapı Kimya San. A.Ş.** cannot be held responsible for any consequences that may occur during or after any use. This document is valid until a new version is issued and supersedes all previous versions. **YAPKİM Yapı Kimya San. A.Ş.** may make changes in the nature of the product. Safety precautions must be taken during the use of the product. These measures are not limited to those listed above as examples, and it is the sole responsibility of the user to take all security measures.

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