



## BENEFITS

- ✓ Impact resistance
- ✓ Seamless & hygienic finish, no crevices where dirt and bacteria can dwell
- ✓ Temperature resistant: 0 C to 85 C
- ✓ Excellent chemical resistance
- ✓ Easy to clean, low maintenance requirement
- ✓ High abrasion resistance
- ✓ Low odor during installation
- ✓ Smooth surface

# BaseKrete MD

## Polyurethane Mortar Flooring

**BASEKRETE MD** is a four component polyurethane self leveling system. The standard thickness for **BASEKRETE MD** is a nominal 3-4 mm. Attractive smooth matt colored floor finish.

**USES:** BASEKRETE MD is formulated specifically for the food and beverage industry. To provide a good chemical resistance and hard wearing floor finish. BASEKRETE MD can be used as a protective overlay on new floor or to repair floor.

**SUBSTRATE:** BASEKRETE MD is suitable for application over concrete, wood, tile or metal. Not recommended on asphalt or painted surface.

### **STANDARD COLORS AVAILABLE:**

Cream, Green, Yellow, Red, Grey

### **PACKAGING:**

BASEKRETE MD is packed in 20 kgs./set, consisting of:

- Part A and Part B
- Part C1 and Part C2  
(Easily identifiable Pigment Pack)

### **SHELF LIFE:**

Store unopened containers in dry conditions at 25-35 C. Avoid excessive heat and do not freeze. The shelf life is 12 months when stored in original unopened container following recommended storage conditions.

**APPLICATION:**

**Substrate Preparation**

Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of grease, fats, oil and laitance. Totally enclosed shot blasting or scarification. The surface must show open textured surface like a sand paper texture.

**Priming**

BaseFloor Primer is necessary for applications of BASEKRETE MD over all substrates. The primer system must be cured to a tack-free state before applying BASEKRETE MD.

**Mixing**

- Add Part A and Part B into mixing pail. Mixing with the blender for 30 seconds.
- Add Part C2 (Pigment Pack) and Part C1 into mixing pail. Allow the contents to mix until aggregate is thoroughly “wet out” for 30 seconds.

**Pot Life**

BASEKRETE MD has working time of approximately 7 minutes at 30°C. The working time will vary depending on temperature.

**Application**

- Material must be use immediately after mixing.
- Use screed rake to distribute the mixed onto the floor.
- Use V-notched hand trowel pull the trowel through the material at right angles to the floor.
- Use a spiked roller to roll the materials to allow air to escape and for the aggregates to be pushed down allowing liquids to come to surface.

**Cleaning up**

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvent.

**Hardening Time**

At 30°C allow:

- 8 hours for foot traffic
- 24 hours for common industrial spillages and heavy traffic.

**Coverage**

Each set of BASEKRETE MD will cover approximately as follows:

- 3.50 sq.m. for thickness 3 mm
- 2.62 sq.m. for thickness 4 mm

**SYSTEM OPTIONS**

**Cove Base**

To provide for an integral seal at the joint between the floor and wall. Coving can be formed with BASEKRETE Coving Mortar in conjunction with BASE-MADE Primer.

**Physical/Chemical Characteristics**

Compressive Strength (ASTM C-579)	60 N/mm <sup>2</sup> after 7 days
Tensile Strength (ASTM C-307)	15 N/mm <sup>2</sup>
Flexural Strength (ASTM C-580)	20 N/mm <sup>2</sup>
Hardness (ASTM C-2240/Shore D Durometer)	80-84
Abrasion Resistance (ASTM D4060 Taber Abrader)	30mg loss per 1000 cycles (1kg load using H22 wheels)
Thermal Expansion Coefficient (ASTM E381, ASTM D696, ISO11359) (temperature range: -20°C to +60°C)	α>2.7x10 <sup>-5</sup> per °C
Bond Strength (ASTM C-4541)	>2.5 Mpa (100% Concrete failure)
Impact resistance (ASTM C-4226)	>140 in./lbs.
Water absorption (ASTM C-413)	0%
Slip Resistance (Pendulum Slip Test)	Dry 70 Wet 25
Temperature Resistance:	3 mm: -0°C to 85°C 4 mm: -0°C to 85°C

**Important**

If any unusual long delay should arise, such as a break for lunch, it will be necessary to completely clean all mixing paddles and pails before ceasing operation. This is extremely important. Doing this will prevent the later contamination of the new batches of BASEKRETE MD with particles of partially cured material when the mixing operation starts up again after the break. The presence of such particles would seriously affect the troweling and finishing of the floor.

**Caution**

Avoid contact with Part A and B as they may cause skin and/or eye irritation. In case of contact, immediately flush area with copius amounts of clean water for at least 15 minutes. Seek medical attention. Applicators should cover hands with impervious gloves. Wash hands thoroughly with soap and water after use, and before eating, smoking, etc.

Product Imported from Thailand

EXCLUSIVELY DISTRIBUTED BY:



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