



BENEFITS

- ✓ Impact resistance
- ✓ Self-sealing
- ✓ Seamless & hygienic finish, no crevices where dirt and bacteria can dwell
- ✓ Temperature resistant: -45 C to 120 C
- ✓ Steam cleanable
- ✓ Excellent chemical resistance
- ✓ Easy to clean, low maintenance requirement
- ✓ High abrasion resistance

BaseKrete HD

Polyurethane Mortar Flooring

BASEKRETE HD is a self priming, five component troweled polyurethane screed system with self-sealing finish. The standard thickness for **BASEKRETE HD** is a nominal 6-9mm. **BASEKRETE HD** cures to an extremely hard, high impact resistance mortar which exhibits excellent abrasion, wear, temperature and chemical resistance.

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

SUBSTRATE: BASEKRETE HD 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 HD is packed in 30 kgs./set, consisting of:

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

SHELF LIFE:

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

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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 for mechanical bonding.

Priming

BASEKRETE HD is self-priming system. For porous substrate use BASE-FLOOR Primer. The primer system must be cure to a tack-free state before applying BASEKRETE HD.

Mixing

- Add Part A and Part B into mixing pail. Mixing with the blender with helical spinner for 30 seconds.
- Add Part C2 (Pigment Pack) and Part C1 into mixing pail and mix for 30 seconds then add Part D (Aggregate). Allow the contents to mix until aggregate is thoroughly "wet out" for 30 seconds.
- Compact and smooth the mortar using a hand trowel followed by rolling to bring up and saturate the resin. Allow to cure overnight.

Pot Life

BASEKRETE HD 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 box to distribute the mixed onto the floor.
- Use steel finishing trowels to compact and smooth the surface of the material to the required.
- Use medium nap roller for make the uniform color appearance.

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 HD will cover approximately as follow:

- 2.50 sq.m. for thickness 6 mm
- 1.87 sq.m. for thickness 8 mm
- 1.66 sq.m. for thickness 9 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-FLOOR Primer.

Physical/Chemical Characteristics

Compressive Strength (ASTM C-579)	75 N/mm ² after 7 days
Tensile Strength (ASTM C-307)	15 N/mm ²
Flexural Strength (ASTM C-580)	20 N/mm ²
Hardness (ASTM C-2240/Shore D Durometer)	80-84
Abrasion Resistance (ASTM D4060 Taber Abrader)	25mg loss per 1000 cycles (1kg load using H22 wheels)
Thermal Expansion Coefficient (ASTM E381, ASTM D696, ISO11359) (temperature range: -20°C to +60°C)	$\alpha > 2.7 \times 10^{-5}$ per °C
Bond Strength (ASTM C-4541)	>2.5 Mpa (100% Concrete failure)
Impact resistance (ASTM C-4226)	>160 in./lbs.
Water absorption (ASTM C-413)	0%
Slip Resistance (Pendulum Slip Test)	Dry 100 Wet 40
Temperature Resistance:	6 mm: -20°C to 100°C 8 mm: -40°C to 120°C 9 mm: -45°C to 120°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 HD 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 trowelling 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 copious 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

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