

# UCRETE<sup>®</sup> TZ Coving

Heavy Duty Polyurethane Concrete Mortar for Coving and Vertical Surfaces

## DESCRIPTION

**UCRETE TZ Coving** is a single layer, seamless, solvent-free, polyurethane system for vertical surfaces with a smooth Terrazzo finish. It withstands abrasive wear and a wide spectrum of chemicals.

**UCRETE TZ Coving** is a four component trowel applied coving mortar applied in layers of 3 to 6 mm.

**UCRETE TZ Coving** should always be applied on primed, UCRETE Primer GC, a solvent free, two components tack primer.

It is fully complementary to all UCRETE TZ Flooring systems.

## FIELDS OF APPLICATION

Conditions requiring the maximum of chemical resistance, health and safety and protection of surfaces subject to impact and hot /cold liquid drainage.

Specific applications include:

- coving
- plinths and machine/plant bases

## FEATURES AND BENEFITS

"**HACCP Accredited** Ucrete products have been accredited for use in facilities covered by HACCP accreditation."

*Ucrete TZ coving has approval for use as flooring for HACCP accredited facilities.*



**Expert application** Installed only by trained and approved specialist contractors.

**Fast application** Can be applied to 6 day-old-concrete / 2 day-old-polymer screed.

**Hygienic/safe** Slip resistant; non-tainting, non-dusting, monolithic (minimum joints), easy to maintain, microbiologically inert.

**Durable/long life** Wide chemical resistance, wear and impact resistant, resists temperatures up to 120°C; 25 years of international use.

**Prepacked** Preweighed / prepacked for immediate use; batch-to-batch colour matched for consistency.

## TYPICAL PERFORMANCE DATA

(Test data - 28 days @ 20°C)	
Compressive Strength (BS6319:Part 2)	: 55N/mm <sup>2</sup>
Flexural Strength (ISO178)	: 10N/mm <sup>2</sup>
Tensile Strength (ISO R527)	: 7N/mm <sup>2</sup>
Concrete Adhesion (BS6319:Part 4)	: concrete fails
Coeff. Thermal Expansion (ASTM C531)	: 2.4x10 <sup>-5</sup> °C <sup>-1</sup>
Thermal Conductivity (BS874)	: 1.1W/m <sup>0</sup> C
Surface Spread of Flame (BS476:Part 7)	: Class 2

## PROPERTIES

Density (BS6319:Part 5)	: 2100 kg/m <sup>3</sup>
Colours	: Yellow
	: Cream
	: Orange
	: Red
	: Green
	: Grey
Thickness	: 3 mm to 9 mm

At 9mm **UCRETE TZ** floor is fully resistant to high temperature spillage and discharge up to 120°C can is fully steam cleanable.

At 12mm **UCRETE TZ** floor is fully resistant to high temperature spillage and discharge up to 130°C and occasional spillage up to 150°C is fully team cleanable. In extreme thermal shock environment a well designed substrate of food quality concrete is essential.

## APPLICATION

### Surface Preparation

Concrete shall be clean, structurally sound and free from foreign materials, contaminants, oily products and other debris. Concrete surfaces shall be 'visibly dry' with no standing water. The minimum tensile (pull-off) strength shall be 1.5N/mm<sup>2</sup> and concrete shall have cured for at least 5 days. Concrete substrates shall incorporate a continuous waterproofing membrane.

Concrete design shall allow provisions for movement joints, as required. In addition, provision shall be made for induced joints to allow any shrinkage of the concrete to occur along defined planes.

BASF Construction Chemicals offices in ASEAN

**Singapore**  
Tel :+65-6861-6766  
Fax :+65-6861-3186

**Malaysia**  
Tel :+60-3-3344-3388  
Fax :+60-3-3344-2288

**Indonesia**  
Tel :+62-21-893-4339  
Fax :+62-21-893-4342

**Thailand**  
Tel :+66-3845-3020  
Fax :+66-3845-3029

**Vietnam**  
Tel :+84-650-743-100  
Fax :+84-650-743-200

**Philippines**  
Tel : +63-2-632-9995  
Fax : +63-2-632-9996

# UCRETE<sup>®</sup> TZ Coving

All laitance shall be removed. All imperfections such as holes and cracks shall be repaired and leveled with the mean level of the surface. For repairing surface unevenness, EMACO Concrete Repair Systems shall be used.

The whole surface shall be enclosed or impact shot blasted, surface planed, ground or high-pressure water jetted. All high spots shall be removed.

## Priming

The initial layer of **UCRETE TZ Coving** shall be applied to a tacky coat of UCRETE GC Primer. Subsequent layers are applied direct to re-primer surface.

Areas of Primer GC left uncoated for more than 48 hours should be mechanically prepared for being primed again. Do not use Primer GC on substrate below 8°C.

## Placing

**UCRETE TZ Coving** shall be mixed and applied only by specialist flooring contractors who have been trained in the correct application procedures. UCRETE TZ Coving should be built up in layers of 3-6mm depending on size and shape of cove. If thicknesses of greater than 6mm is required then GC Primer should be applied between layers to ensure maximum adhesion.

Grinding. The UCRETE TZ is ground using specialized equipment to smooth out the curved surface and expose the aggregate. This is done using a suitable angle grinder fitted with carborundum paper and is ground by hand to an acceptable finish. Good ventilation and dust collection should be used as this grinding is done dry. Once ground to a suitable finish the cove should be grouted as per the floor and then reground to a suitable finish prior to sealing

## Sealing

Appearance is enhanced by using a sealer as for the UCRETE TZ floor as this brings up the colour and enhances the aesthetics..

## CURING

Coves should be ground after a minimum of 8 hours and no longer than 48 hours (as the hardness of the material will make grinding and polishing much harder after this time). Full traffic and chemical resistance in 28 days.

## CLEANING

Regular cleaning, dry or wet mechanical scrubbing, or hot flushing with detergents or detergent/sterilant products will enhance the floor's appearance and reduce soiling tendencies. Direct steam cleaning is suitable for surfaces applied at more than 8-mm thickness.

## ESTIMATING DATA

Coverage is influenced by substrate roughness, porosity and temperature, but allowing for normal wastage factors will be approximately

**UCRETE TZ Coving** – 2 to 2.4 kg/m<sup>2</sup>/mm thickness  
**UCRETE GC** – 0.25 to 0.33 kg/m<sup>2</sup>

## PACKAGING

**UCRETE TZ Coving & UCRETE GC** are supplied in units for immediate use, consisting of:

<b>UCRETE TZ Coving</b> Part 1	:	0.71 kg
<b>UCRETE TZ Coving</b> Part 2	:	1.09 kg
<b>UCRETE TZ Coving</b> Part 3	:	10.8 kg
<b>Ucrete Liquid Pigment</b>	:	0.5Kg
<b>UCRETE GC</b> Part 1	:	1.72 kg
<b>UCRETE GC</b> Part 2	:	0.88 kg

## SHELF LIFE

**UCRETE TZ Coving** can be kept for 12 months from date of manufacture, in original unopened packaging, if stored under cover and above ground level at 30°C or less, avoiding exposure to direct sunlight.

## PRECAUTIONS

Material Safety Data (MSDS) for each component of **UCRETE TZ Coving** are available. Gloves and eye protection shall be worn during mixing and application.

For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

2-1-2-0808

## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

## NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF Construction Chemicals** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.