

# EuroCrete<sup>FM</sup> 100

POLYURETHANE-CEMENT COVE BASE MORTAR

**EuroCoat<sup>®</sup>**  
WE GOT YOU COVERED

## PRODUCT DESCRIPTION

EuroCrete<sup>™</sup> CM is a thermal shock resistant, heavy duty polyurethane cement cove base mortar that is easy to clean and sanitize. EuroCrete CM contains an antimicrobial additive for sanitary protection. It provides an attractive matt solid color with a slight textured matt finish. EuroCrete CM is used for vertical applications and to create a sealed transition between the floor and the wall.

## PHYSICAL PROPERTIES

**Composition:** Four component polyurethane cement floor system  
No cracking (ASTM C884)

**Compressive Strength:** 10,000 psi (ASTM C-579)

**Tensile Strength:** 900 psi (ASTM C-307)

**Flexural Strength:** 2,900 psi (ASTM C-580)

**Adhesion to Concrete:** >350 psi ASTM D-4541

**Coefficient of Thermal Expansion:** 2.8 x 10<sup>-5</sup> in/in/o (ASTM C-531)

**Pot life:** 15 min

**Water absorption:** < 0.1%

**Abrasion resistance:** 0.08 g loss (ASTM D 4060)

**Impact Resistance:** Passes MIL-D-3134 sec. 4.7.3  
(Withstands 16 ft -1 pound impact without cracking, chipping or delaminating)

(\*) The information above are typical properties achieved in laboratory test at 70o F and at 50% RH.

## SPECIFICATIONS

**Preparation:** Concrete or screed substrate should be a minimum of 3,625 psi, free from laitance, oil, dust and other contamination. The substrate should be dry to 75% RH as per BS 8204 and free from rising damp and ground water pressure.

## QUICK GUIDE

### TYPICAL USES

EuroCrete<sup>™</sup> CM is widely recommended to seal joint between the floor and the wall in food and beverage processing areas subjected to constant sanitation. EuroCrete<sup>™</sup> CM may be used as a protective surface for new concrete floors, or to restore worn and damaged vertical surfaces.

### ADVANTAGES

1. Easy to clean and sterilize (steam cleanable)
2. Contains Silver Ion antimicrobial additive
3. Excellent impact and thermal shock resistance
4. Heat resistant to 200o F
5. Excellent chemical resistance (see chemical resistant chart)
6. Low maintenance
7. Installs in 5-7 day old concrete
8. Low odor during installation. Complies with VOC regulations

### COLOR OPTIONS

EuroCrete<sup>™</sup> CM is available in 6 standard solid colors. Beige, MidGray, Ochre, Green, Tile Red, Blue.

Surface must be properly prepared to ensure adequate bond to the substrate. It is recommended that the perimeter edges of the floor area and doorways be keyed to produce a cross section ¼" deep by 3/16" wide running at 6" away from and parallel to doorways, drains and walls. Consult EuroCoat surface preparation bulletin for full details.

Minimum surface temperature is 45o F; preferred is 50–75o F.

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**Installation:** The installation should be carried out by a EuroCoat Certified Installer with a documented quality assurance scheme. Obtain details of our Certified Contractors by contacting our customer service or enquiring via our web site [www.eurocoatsystems.com](http://www.eurocoatsystems.com)

## PRODUCTS INCLUDED

EuroCrete Primer (EuroCoat 110) @ 160 sq ft/gal

EuroCrete CM (31.5 lb unit)

- 11 sq ft/unit @ 3/16"

- 33 lineal ft/ unit at 4" high at 3/16"

EuroCrete CM is a self-sealing finish. Detailed application instructions are available upon request.

### Primer:

Under certain conditions, out-gassing of the concrete may cause surface defects in the finished EuroCrete topping and priming of the concrete surface may be required. Install a test patch in the area of concrete to determine if priming is necessary.

### Microbial and fungal resistance:

All EuroCrete products include a built-in high performance antimicrobial additive. This silver ion based additive inhibits the growth of bacteria and molds and guards against product degradation and odors caused by these microorganisms.

## CHEMICAL RESISTANCE

See EuroCoat's, Chemical Resistance Guidelines for chemical resistance of a product or system.

Note: Chemical resistance is a functional test, usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subject aesthetic issues. To determine aesthetic issues, EuroCoat recommends products or system to be tested in accordance with intended end use.

## WAREHOUSING

- Do not expose material to direct sunshine or heat.
- EuroCrete products must be stored in a cool and dry location.
- Exposure of the base coat aggregate to moisture for an extended period will cause lumps. Do not allow resins to freeze.
- Warehousing temperature must be between 4-23 °C (39-74 °F)
- Shelf life: six months.
- Keep the material in its original packaging.

## WARRANTY

EuroCoat products are guaranteed against defective materials and manufacture and are sold subject to our standard Warranty, Terms and Conditions of Sale, copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before using products.

**Disclaimer:** Any recommendation or suggestion relating the use of the products made by EuroCoat, whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.