

# EuroShield™ 100

HIGH BUILD SELF LEVELING EPOXY FLOOR SYSTEM



## PRODUCT DESCRIPTION

EuroShield™ 100 is a 60 mil to 1/8" thick self leveling epoxy resurfacing floor system. This high build system is ideal for areas where a cleanable, impact and abrasion resistant floor system is required. EuroShield™ 100 may be finished with an aliphatic urethane topcoat for upgraded chemical, abrasion and UV resistance. Different grades of slip resistance can be achieved if necessary.

## PHYSICAL PROPERTIES

**Composition:** Two component epoxy resin.

**Color:** 8 standard colors.

**Hardness:** 80 Shore D (ASTM D2240)

**Compressive Strength:** 7,400 psi (ASTM C-579)

**Tensile Strength:** 1,700 psi (ASTM C-307)

**Flexural Strength:** 2,100 psi (ASTM C-580)

**Adhesion to steel  
and concrete:** 2,600 psi (ASTM D-4541)  
350-400 psi (concrete fails)  
(ACI-COMM #403)

**Water Absorption:** < 0.1%

**Abrasion Resistance:** 0.07 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 70 °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

EuroShield™ 100 is designed as a medium to heavy duty floor system for areas that require concrete to be sealed from liquid contamination (acids, oils, solvents), provide an easy to maintain surface and excellent abrasion resistance. EuroShield™ 100 may be used as a protective surface on new concrete floors, or to beautify old concrete floors.

EuroShield™ 100 is excellent for heavy warehousing facilities, mechanical rooms, medium to heavy duty manufacturing areas, clean rooms, commercial applications, etc.

### ADVANTAGES

1. Good chemical resistant
2. Good abrasion and impact resistant
3. Meets USDA/ FDA standards
4. Stain resistant
5. Low maintenance. Easy to clean
6. Glossy – attractive finish
7. Improves indoor light reflectance
8. Smooth or anti skid surface available
9. Solvent free. Complies with VOC regulations

### COLOR

EuroShield™ 100 is available in 8 standard solid colors. Beige, Khaki, Light Gray, Medium Gray, Dark Gray, Blue, Tile Red and Green.

Surface must be properly prepared to ensure adequate bond to the substrate. Consult EuroCoat surface preparation bulletin for full details. Minimum surface temperature is 45 °F; preferred is 50–75 °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.eurocoatssystem.com](http://www.eurocoatssystem.com)

## PRODUCTS INCLUDED

### Primer:

- EuroCoat 110 epoxy primer/sealer @ 200-250 sq ft/gal
- EuroCoat 111 MVP moisture vapor resistant primer @ 160-200 sq ft/gal

### Base Coat:

EuroCoat 130 epoxy coating @ 80-160 sq ft/gal

### Finish Options:

- EuroCoat 130 epoxy coating @ 100-160 sq ft/gal
- EuroCoat 330 CR urethane finish @ 350 sq ft/gal

## STANDARD COLOR CHART



The applied color may differ slightly from the examples shown above. Contact our customer service for a true color sample.

## FINISH OPTIONS

EuroShield™ 100 GS	Smooth Glossy Finish
EuroShield™ 100 HT	Satin CR Aliphatic Urethane Finish

## 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.

## LIMITATIONS

1. Substrate must be above 50 oF (10 oC), dry and free of excessive water vapor transmission with a relative humidity below 85% at time of installation.
2. Moisture vapor transmission (MVT) in excess of 3.0 lbs/1000 sq ft/per 24 hr period per ASTM F1869, may result in delamination, discoloration or improper curing.
3. New concrete should be at least 28 days old for system installation.

## WAREHOUSING

- Do not expose material to direct sunshine or heat.
- EuroCoat products must be stored in a cool and dry location. Do not allow resins to freeze.
- Warehousing temperature must be between 4-23 oC (39-74 oF).
- Keep the material in its original packaging.

## WARNINGS

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.