

EuroFlex^{FM} 100

SANITARY WALL COATING SYSTEM



PRODUCT DESCRIPTION

EuroFlex^{FM} 100 is a 100% solids, high build, solvent free and low odor wall coating system that provides a seamless, durable, chemically resistant wall coating with exceptional cleanability and aesthetic appeal. This impervious coating system offers excellent resistance to bacterial growth, chemical attack, staining and abrasion. It can be installed in areas where food products and beverages are stored without solvent fume contamination. EuroFlex 100 complies with the U.S. Department of Agriculture for use in federally inspected meat processing locations regulations.

EuroFlex^{FM} 100 can be applied over gypsum wallboard, cement and gypsum plasters, concrete, concrete block, masonry, wood, metal and other sound surfaces. If impact resistance and dimensional stability are desired, use EuroCoat 100G, which is a fiberglass or scrim cloth reinforced epoxy wall coating system. Provides an appealing glossy “orange peel” finish that is easy to clean and sanitize.

PHYSICAL PROPERTIES

Hardness: 85±5 Shore D (ASTM D2240)

Compressive Strength: 8,000 psi (ASTM D695)

Tensile Strength: 3,500 psi (ASTM D638)

Tensile Elongation: 8 ± 4 % (ASTM D638)

Adhesion to concrete: 350 psi (Concrete fails)
ASTM D-4541

Water Absorption: < 0.5%

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)

Microbial Resistance: Passes rating 1 (ASTM G21)

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

QUICK GUIDE

TYPICAL USES

EuroFlex^{FM} 100 is specially formulated to be used to protect walls and ceilings in food processing areas, laboratories, clean rooms, operating rooms and high-tech areas to create an environmental envelop that isolates the contents of the used area.

EuroFlex 100 is an excellent choice for walls and ceiling application for:

- Operating rooms / Clean rooms
- Health care facilities
- Research and Development
- Commercial kitchens
- Food and beverage processing
- Animal Housing
- Locker rooms
- Toilet rooms
- Chemical storage

An anti-microbial biocide additive is available which protects against growth of algae, bacteria, fungi, mold, mildew and yeast.

ADVANTAGES

1. Very good chemical and stain resistance
2. Seamless surface, provides a continuous membrane
3. Low maintenance. Easy to clean and sanitize
4. Attractive glossy – “orange peel” finish
5. Available in a formulation that contains a biocide that effectively controls growth of algae, bacteria, fungi, mildew, mold and yeast.
6. Complies with USDA/ FDA regulations
7. Improves indoor light reflectance
8. Solvent free- Low odor during installation. Complies with VOC regulations
9. Seamless floor/wall transition to create a seamless environment

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SPECIFICATIONS

Preparation: Surface must be properly prepared to ensure adequate bond to the system. Make sure substrate is dry, clean, and free from laitance, oil, dust and other contamination.

Consult EuroCoat surface preparation bulletin for full details. Minimum surface temperature is 50o F; preferred is 60–85o F.

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.

PRODUCTS INCLUDED

Primer:

EuroCoat 1120 WB- water based epoxy primer. Not required for certain substrates. Consult EuroCoat Technical Department.
@ 300 sq ft/gal

First base coat:

EuroCoat 1320W –Wall epoxy coating
@ 160 sq ft/gal

Second base Coat:

EuroCoat 1320W –Wall epoxy coating
@ 160 sq ft/gal

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.

CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, EuroCoat recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area,

COLOR OPTIONS

EuroFlex™ 100 is available in Light Gray, Almond, Mint and Light Blue. Special colors available upon request. Consult EuroCoat Technical Department.



utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your representative for additional information.

LIMITATIONS

1. For below grade, porous or block walls or new concrete, with a moisture vapor transmission (MVT) in excess of 3.0 lbs./1000 sq/ft/per 24hr. period per ASTM F1869, may result in delamination, discoloration or improper curing.
2. Use EuroCoat 1110 MTP primer over substrates, which have MVT emissions that exceed these limits.
3. Concrete block and CMU block require a smooth finish, which can be achieved with an approved EuroCoat Block Filler prior to placement of the system. Consult EuroCoat technical department.
4. Discoloration or yellowing may occur under UV exposure. If UV stability is desired apply EuroCoat 3390W as finish coat. Not designed for exterior use.
5. Cracks in subsurface may reflect through the coating of subject to movement.

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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 °C (39-74 °F).
- 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.