

# EEFLoog

## Everlast® Pro Floor Build Coat

### DESCRIPTION

Everlast® Pro Floor Build Coat is a high build epoxy formulated as a binder for a broadcast floor system.

Everlast Pro Floor Build Coat has improved dimensional stability which reduces cracking and shrinkage as well as improved sag and slump resistance.

Everlast Pro Floor Build Coat was formulated with the installer in mind and has built in flow and leveling properties to allow for a more consistent finish and so there should be less areas to touch up afterwards.

### RECOMMENDED USES

Everlast Pro Floor is recommended for **commercial and industrial** shop floors such as auto service centers, aircraft hangers, and industrial shops because it is durable and chemical resistant.

**Clean room floors and laboratories** because it creates a seamless and easy-to-clean floor.

**Health care facilities** such as acute care, ambulatory care, behavioral health, medical office buildings, biotech laboratories, and pharmaceutical labs because it creates a safe, hygienic floor that does not trap in dirt and grime.

**Retail** such as waiting rooms, lobbies, and showrooms because it's a cost effective and attractive alternative to conventional terrazzo and it's a safer and healthy alternative to luxury sheet floor.

**Front-of-House** cafeterias and dining rooms because it is easy to keep clean and is resistant to wear.

**Shop | Industrial | Automotive | Apparatus Bay** Specifically formulated to resist petroleum products and impact damage, while preventing concrete dusting that clogs equipment. Plus, it reflects light instead of absorbing it, making your whole space brighter.

### PHYSICAL/CHEMICAL CHARACTERISTICS

PROPERTY	TYPICAL VALUES
SOLIDS BY WEIGHT	100% (+/- 1%)
SOLIDS BY VOLUME	100% (+/- 1%)
VOLATILE ORGANIC CONTENT	Less than 13 g/l
ABRASION RESISTANCE	Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 32 mg loss
FLEXURAL STRENGTH	5,400 PSI
COMPRESSIVE STRENGTH	9,100 PSI

PROPERTY	TYPICAL VALUES
ADHESION	450 PSI
VISCOSITY	1000 – 2000 CPS
TENSILE STRENGTH	4,800 PSI
ULTIMATE ELONGATION	3.1%
HARDNESS	Shore D = 80
FLAME SPREAD/ NFPA-101	Class A
IMPACT RESISTANCE MIL D-3134	No chipping, Cracking or De-laminating Not more than 1/16th of an inch permanent indentation
WATER ABSORPTION ASTM D-570	0.04%

### ENVIRONMENTAL CONDITIONS

- Storage Temperature: Materials are to be stored at a temperature between 65° F and 90° F.
- Maintain minimum concrete surface temperature between 60° and 85° F. The substrate must be at least 5° F (3° C) above the Dew Point to reduce the risk of condensation, which may lead to adhesion failure or “blushing” on the floor finish. Be aware that the substrate temperature may be lower than the ambient temperature.
- Maintain constant ambient room temperature of plus or minus 15° F with a minimum temperature of 60° F and maximum temperature of 90° F. Maintain constant ambient room temperature for 48 hours before, during and after installation, or until cured. Do not apply when the temperature is below 60° F or while ambient and temperatures are rising.
- Relative humidity above 30% and below 75% for a minimum of 48 hours before, during, and after installation, or until cured. Surface temperature must be 5° F above dew point.
- Verify that substrate is ready to receive work, and that sub-floor surface is clean, dry, and free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other incompatible contaminants.
- Concrete hydrostatic, capillary or moisture pressure must be no greater than 3.0 lbs./1000 sf/24 hours. Substrates in contact with the ground must have a properly installed, functioning and effective vapor barrier to help prevent potential problems resulting from hydrostatic, capillary, or moisture vapor emission. Concrete must contain less than 3% moisture when tested per ASTM D1864.
- Avoid excessive dust and airborne contaminants. Protect work areas from excessive dust and airborne contaminants during coating application.

# EEFL009 Everlast® Pro Floor Build Coat

## SURFACE PREPARATION

**1** Flooring shall not be applied to sand-cement setting beds with a PSI lower than 2500. Sand-cement beds shall be removed to structural concrete substrate and re-leveled/sloped as necessary to achieve grade and/or adequate drainage.

**2** Cracks and joints greater than 1/8 inch wide will need to be repaired and treated with crack suppressants and/or joint fillers

**3** The substrate shall be clean, dry and sound. Remove dust, laitance, grease, curing compounds, waxes, foreign particles and any previously applied potentially incompatible coatings by scarifying, chipping, wire brushing, or pressure washing. If pressure washing or any other liquid method is used for preparation, substrate should be fully rinsed, squeeze-dry mopped and allowed to completely dry. Acid etching is not allowed.

**4** Concrete:

- a** New concrete must cure for at least 28 days at 70°F (21°C), and have been free from water for at least 7 days.
- b** Older floors should be scarified and thoroughly cleaned. If badly cracked, crumbling, punky or deeply contaminated with oil or fat, a new concrete topping of proper thickness and strength should be installed. Swollen areas should be chipped out and any cracks, spalls, joints or other depressions filled with our underlayment.

**c** The concrete should be at least 2500 psi. Concrete hydrostatic, capillary or moisture pressure must be no greater than 3.0 lbs./1000 sf/24 hours (ASTM F1869).

**d** The relative humidity (RH) exceed 75% (ASTM F2170).

**e** Prepare concrete to a profile equal to CSP 2 as specified by ICRI.

**5** Treat control joints and other substrate cracks to prevent cracks. Follow the joint filler manufacturer's guidelines. If the subfloor has a hydronic (liquid) system then, while the system is running, use the calcium chloride test method to determine the moisture vapor emission rate.

## BLENDING RATIOS

2 parts EEFL009-A Everlast® Pro Floor Build Coat Part A (by volume)  
1 part EEFL009-B Everlast® Pro Floor Build Coat Part B (by volume)

## POT LIFE AND CURE SPEED

Potlife approx. 20 minutes, broadcast into binder within 30 minutes of application.

Ready for recoat in 8-10 hours @ 70°F

Ready for foot traffic in 10-12 hours @ 70°F

## WARRANTY STATEMENT

Information about EVERLAST EPOXY products is given to the best of our knowledge, based on tests and experience. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you will make your own test to determine the suitability of the product for your particular purpose. As products are often applied or used under conditions beyond our control, EVERLAST EPOXY cannot guarantee anything but the quality of its products. EVERLAST EPOXY warrants that its products meet the specifications set forth by EVERLAST EPOXY, but we reserve the right to change any given specification without prior notice. EVERLAST EPOXY DISCLAIMS ALL WARRANTIES RELATING TO THE PRODUCTS AND THEIR APPLICATION, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Receipt of an EVERLAST EPOXY product constitutes acceptance of our "Terms of Sale" published at <https://everlastepoxy.com/terms-of-sale>, contrary provisions of an EVERLAST EPOXY salesperson or the buyer's purchase documents notwithstanding. Upon receipt of merchandise, purchaser has 30 days to notify EVERLAST EPOXY in writing that materials are defective. In the event EVERLAST EPOXY finds that the product delivered is off specification, EVERLAST EPOXY will, at its sole discretion, either replace the product or refund the purchase price thereof, and EVERLAST EPOXY's choice of one of these remedies is the buyer's sole remedy. In no event shall the liability of EVERLAST EPOXY exceed the purchase price of shipped merchandise. Claims must be in writing. Claims after 30 days are void. EVERLAST EPOXY will, under no circumstance, be liable for special, incidental or consequential damages. Our "Terms of Sale", published at <https://www.everlastepoxy.com/terms-of-sale>, supersedes all other guarantees, whether oral or written, and whether expressed, implied or statutory. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Certain products may contain chemicals that may cause serious physical injury. Before using,, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.

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