EEFL205
Everlast® Industrial UVR Flex

DESCRIPTION

EVERLAST INDUSTRIAL UVR FLEX FLOOR SYSTEM is a high solids epoxy, marble-chip and quartz aggregate that is a troweled in place, evenly textured, slip-resistant finish with a thickness of between 1/8" and 3/16". **EVERLAST INDUSTRIAL UVR FLEX** is formulated to withstand heavy equipment and high traffic in industrial facilities.

EVERLAST INDUSTRIAL UVR FLEX is a monolithic, custom-made, troweled on system that forms a physical bond between the material and the surface it is being applied and vulcanizes them together. The compound made is tightly bonded together because the epoxy resins fill in all the voids between the aggregates making it seamless and not allowing moisture to penetrate.

RECOMMENDED USES

Use Everlast Industrial UVR Flex when the substrate is plywood or tongue and groove hardwood.
Use Everlast Industrial UVR Flex when a waterproof membrane is specified over a concrete or a wood subfloor.

FEATURES

- Non-porous and non-absorbent
- UV Resistant
- Chemical resistant
- Impact and shock resistant
- Excellent low temperature properties
- Unlimited life expectancy
- Low odor – no VOC's
- No joints or seams for water penetration
- Anti-microbial – bacteria will not collect
- Available in many color combinations
- Can withstand subtle movement of the sub-floor
- Is both a waterproof membrane and a finish floor

PHYSICAL/CHEMICAL CHARACTERISTICS*

PROPERTY	TYPICAL VALUES
SHELF LIFE	2 years (between 50°F and 85°F) (10°C and 29°C)
APPLICATION TEMP & HUMIDITY	55°F to 90°F (13°C to 30°C) @ less than 75% R.H
MIXING RATIO	80 fl oz. Everlast® Industrial UVR Flex Part A 40 fl oz. Everlast® Industrial UVR Flex Part B 1 full box Everlast® Floor, Cove Base & Wall Aggregate
COVERAGE	Approx. 25 sf. Per unit
WORKING TIME	20-30 minutes @ 75°F (24°C)
APPLICATION METHOD	Mixed, poured and troweled
READY FOR FOOT TRAFFIC	8-10 hours
READY FOR HEAVY TRAFFIC	1 week
ADHESION STRENGTH	>500 psi) w/ concrete failure (ASTM D-4541)
COMPRESSIVE STRENGTH	17,000 psi (ASTM D-579)
TENSILE STRENGTH	7,100 psi (ASTM D-307)
FLEXURAL STRENGTH	8,500 psi (ASTM D-580)
COEFFICIENT OF THERMAL EXPANSION	2.5 x10-5 (ASTM D-696)
VOC	No VOC'S
SMOKE DENSITY	<3 (ASTM E-662)
IMPACT RESISTANCE	>24,000 psi (ASTM D-4226)
INDENTATION	0.8% (ASTM D-2794)
ABRASION RESISTANCE	0.018gm (ASTM D-501)
FLAMMABILITY	Self-Extinguishing (ASTM D-635)
HEAT RESISTANCE	158°F (ASTM D-2794)
WATER ABSORPTION	>0.2% (ASTM C-413)
WEIGHT	1.17 lbs/sf. @1/8" thickness
SLIP RESISTANCE	Wet leather Static 1.05 / Sliding 0.74 Wet rubber Static 1.10 / Sliding 0.72

**Based upon a seven day cure at 75°F (24°C)*

SURFACE PREPARATION

The substrate must be clean, dry and sound. Remove dust, laitance, grease, curing compounds, waxes, foreign particles and any previously applied potentially incompatible coating by scarifying, chipping, wire brushing, acid etching, or pressure washing. If pressure washing or any other liquid method is used for prep, substrate should be fully rinsed, squeezeodry mopped and allowed to completely dry. If the surface is not prepared properly, product adhesion will fail and warranties will be voided. Moisture vapor transmission reading must be 3 lbs., or less.

Concrete | 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. 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 cacks, spalls, joints or other depressions filled with our underlayment.

Wood Floors | The minimum requirement for hardwood floor rigidity (deflection rate) is L/480. Plywood floors shall consist of 2 layers of at least 3/4 inch subfloor panels with offsetting joints (Advantech is recommended), and screwed (nailing not acceptable) into 16 inches o.c. joists. Alternatively, install 1/2 inch (12 mm) concrete backer board, using a quality sub-floor adhesive and deck screws.

Seams in the plywood or concrete backer board shall be treated with fiber tape and a blend of EEPR0278 Flexible Broadcast Primer and Verti-Fill additive.

Steel Decks | Must be clean, free from oil, grease, rust and loose scale. The deck should then be wiped with denatured alcohol. Allow deck to dry.

FOR BEST RESULTS

- New Concrete must cure for at least 30 days @ 70°F (21°C).
- DO NOT thin with solvents.
- DO NOT install while humidity exceeds 75%.
- Temperature during installation should be 60°F -90°F.
- No topcoat necessary. If topcoat is desired, then only use an epoxy topcoat; Everlast Stay-Clean Sealant UVR is recommended. Sand Everlast UVR Flex Floor with 60 grit sandpaper before applying topcoat.
- Discard any material subject to freezing.
- DO NOT apply to structurally unsound surfaces.
- DO NOT allow mixed material to sit in the bucket.
- DO NOT mix material before you are ready to apply.
- Relative humidity must be above 30% and below 75%.
- The substrate must be at least 5˚F above the Dew Point.

MIXING

Avoid mixing and application of this product if the floor temperature is below 60°F or above 90°F. Also avoid application if the humidity is higher than 75% R.H. The temperature of the floor, materials and air in the area of the installation all play a role in how the product will apply and cure. To begin, you will need a clean 5-gallon pail and a 1/2 horsepower variable speed mixer. Measure out 80 ounces (by volume) of EVERLAST INDUSTRIAL UVR FLEX PART A and 36 ounces (by volume) of EVERLAST INDUSTRIAL UVR FLEX PART B. Blend resins for a minimum or 1 and 1/2 minutes. Add aggregates to the resin mixture and blend thoroughly.

POT LIFE

At 75°F (24°C) and 50% relative humidity, EVERLAST INDUSTRIAL UVR FLEX has a useful working time or pot life of approximately 20-30 minutes. Using beyond this time will result in variable results and therefore any mixed product beyond the pot life should be discarded. Apply all material to the floor as quickly as possible.

APPLICATION

For cove base, place mixed product on the floor along the wall. Use a bull-nose gauge trowel and place the material tightly against the wall at the required height. If necessary, tape the wall first to create a straight stopping point. Remove the tape immediately after troweling base. A large dinner spoon will form a nice cove finish. For Floor, after mixing, pour product onto floor at once to increase working time. Material left in bucket has less working time. Using a Marshalltown finish trowel, place the product with medium pressure, start at the wall and pull material toward you to flatten the product and finish material into its designed even thickness. Repeat until the product is constantly uniform. After the product has been placed, lighten up and hold the trowel at an angle and comb over the top of the material lightly. This will flatten any stones that may be high as well supply more resin to the surface

to seal off the system properly. The passes with the trowel till pull the resin to the top much the same way water will do in a cement application.

CLEAN UP

Application equipment should be cleaned using denatured alcohol immediately after use.

DISPOSAL

Empty containers may contain product residue. Do not cut, puncture or weld near these containers. Label warnings must be observed until containers has been commercially cleaned or reconditioned. Containers to be thrown out must be disposed in accordance with federal, sate and local regulations. Use only licensed hazardous waste disposal companies.

CUSTOMER NOTE

One should not attempt to install Everlast Industrial UVR Flex without first reviewing the how-to instructions available at: https://www.everlastepoxy.com/how-to-install-epoxy-floors/ For more information, contact your local Everlast Epoxy Systerm's representative or the corporate office.

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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