



DESCRIPTION

201c PumaESD® is high build, low odor, *static conductive*, abrasion and chemical resistant floor coating system. This four coat system consists of a primer/sealer, high build coating, black conductive coat, and a four-component, chemical resistant, high performance urethane top coat. Surface may have an optional light, extra fine, glass bead finish which imparts slip resistance, but also mop cleanable.

USES:

201c PumaESD® may be installed over new concrete, and older areas that have minimal substrate damage. It is recommended for areas where the damaging effects of electrostatic discharge (ESD) cannot be tolerated. Primary industries that use conductive PumaESD flooring include: Munitions and Hazardous Industries (dust or explosion hazards), specialized Electronics and Assembly manufacturing, and Data Centers.

ADVANTAGES:

- Cost effective, reliable protection.
- Abrasion resistant
- Chemical Resistant
- Low, non-offensive odor during installation.

ELECTRICAL PROPERTIES:

- Meets DoD 4145.26m requirements.
 - Minimum 40,000 Ω 110-120v
 - Minimum 75,000 Ω 220-240v
- NFPA99 compliant
- ESD S202.20 compliant
- Meets ANSI/ESD STM 97.1 and STM 97.2 test requirements

Note: To assure proper contact to floor surface, persons in area protected by ESD floor coating must wear approved quality ESD footwear.

DURABILITY

Resistant to abrasion and other physical aggression from foot traffic, hand carts, and occasional powered lifts, commonly found in industrial facilities.

COMPOSITION

Proprietary, static conductive, polyurethane resin system combined with glass bead aggregates. Compliant with VOC regulations for industrial maintenance coatings (CARB/ SCAQMD) and the Ozone Transport Commission (OTC).

APPEARANCE

Sheen: Semi Gloss.

Slip Resistant: Meets ADA Standard - Coefficient of Friction (.6)
Surface is easy to clean.

MVT (Moisture Vapor Transmission)

For areas with high moisture vapor transmission (over 5 lbs of MVT), **optional** moisture blocking primer (104 PumaPOXY MB) should be used as the primer. This will handle up to 25 lbs of MVT, when applied at 16 mils.

REPAIRABILITY/ RE COATING

PumaESD coatings may be repaired/re-coated by abrading surface with 120 grit sandpaper, and re-coating damaged areas.

APPLICATION (30 mils thickness) 201c PumaESD

- 103-PumaPOXY WB 6 mils
(or optional 104 PumaPOXY MB moisture block 16 mils)
- 107 PumaPOXY 16 mils
- 105c PumaPOXY 5 mils
- 112c PumaESD 3 mils

PumaESD® flooring is installed by certified applicators throughout the U.S.A.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from any PumaCRETE® resin products the correct surface is essential. Please refer to technical data sheet "Surface Preparation".

STORAGE, MIXING & APPLICATION TEMPERATURE

The storage, mixing and application conditions can affect the quality of the finish produced. Optimum storage and application temperature are 70°F.

CURE SCHEDULE (70 deg F)

24 hours (foot traffic), 48 hrs Full cure (heavy traffic)

MAINTENANCE

Regular cleaning of the applied system is recommended in order to maintain slip resistant properties and cosmetics. Normal cleaning agents (such as Simple Green) w/ auto floor scrubber.

CHEMICAL RESISTANCE

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents.

COLORS AVAILABLE

Gray shades, and additional colors—see PumaESD color chart. *Darker shades recommended (<50 LRV light reflection value) for best long term appearance.*

WARRANTY

5 years (refer to PumaCRETE® ESD warranty terms and conditions)

CONDITIONS OF USAGE:

Installation of all products purchased must be by professional installers periodically published by PUMA-CRETE or otherwise approved by PUMA-CRETE in writing. Modification to any of PUMA-CRETE's products voids the warranty. The installer shall maintain a written contemporaneous record of field conditions (including, without limitation, surface and atmospheric conditions, usage rates, and lot numbers of products installed). PUMA-CRETE reserves the right of inspection of any installed product, installation and maintenance records and records of field conditions and may conduct additional testing as is reasonably required to investigate any warranty claims. Warranty shall only apply for products or materials that have been paid for in full.