



**SUNDEK**<sup>®</sup>  
*You stand on it. We stand behind it.*<sup>®</sup>  
**SunLastic EPC35**  
**Elevated Protective Cement-based Coating**

**PRODUCT DESCRIPTION**

SunLastic EPC35 Elevated Protective Coating is a two component cement based decorative overlay primarily designed as the protective coat for SunLastic WP50 (waterproofing membrane) on elevated areas that have a tendency to move slightly or vibrate. A two-component product, SunLastic EPC35 Elevated Protective Coating consists of a unique proprietary rubber-like liquid, which is mixed at the time of application with a cement-aggregate blend. The resulting combination, when applied by brush, trowel, roller or spray, produces a tough, water-retardant coating with many desirable properties. It is installed in typical thickness, is approximately 3/32" (2.4 mm), and lightweight, 1.1 lb psf (5.35 kg/m<sup>2</sup>). Although extremely flexible, the material is notably abrasion resistant. It may be used interior or exterior in the widest range of climates. It restricts water penetration and salt attack. SunLastic EPC35 Elevated Protective Coating is available in two natural colors: white (stocked) and light gray (special order), however, it may be integrally pigmented in a wide range of additional colors. It may also be antiqued or chemical stained with coloration options that are almost unlimited.

**Typical Uses**

Among the proven uses for SunLastic EPC35 are: elevated patios and decks, automobile parking structures; a very low-permeability stucco-like exterior wall coating for application over concrete, approved insulation board or existing stucco; a resurfacing and restoration coating for all types of masonry; a skid resistant floor and deck application; a surface for concrete balconies; etc.

**TECHNICAL INFORMATION (at 75 °F)**

<b>Compressive Strength</b> ASTM C109.....2,440 psi (2" by 2" Cubes) - Lower than our other overlays but flexible	<b>Impact Resistance</b> MIL-D-3134.....Complies
<b>Tensile Strength &amp; Elongation</b> ASTM C190.....430 psi	<b>Flexural Strength</b> ASTM C580.....195 psi (Modulus of Rupture)
<b>Flammable Properties</b>	<b>Water Vapor Transmission</b> ASTM E96 (Procedure A).....1,958 perms/inch
ASTM E84.....Flame Spread 4 (Steiner Tunnel Test).....Smoke Density 0	<b>Freeze/Thaw</b> ASTM C67 No defects or weight (Method B) weight loss after 60 cycles from -500 °F to 800 °F.
<b>Fire Resistance</b> UL-790, Class A.....Complies	
<b>Salt Spray (fog)</b>	
ASTM B117.....No Visible (1000 hrs. exposure).....Degradation	
<b>Resistance to Wind Driven Rain</b>	
Fed. Spec. TT-C-558 (8 hrs.) and TT-P-0035** (24 hrs.) At 5" water pressure and 60 gal. /hr. water flow, no water or dampness noted on back of test panels.	

**GENERAL INFORMATION**

**Advantages**

- 1) Water-retardant.
- 2) Skid resistant and abrasion-resistant.
- 3) Low cost.
- 4) Installed only by Professional Factory Trained SunLastic Contractors.

TECHNICAL - APPLICATION SHEET



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## GENERAL INFORMATION CONTINUED

### Limitations

- 1) May reflect working cracks in substrate.
- 2) A waterproofing and crack isolation membrane can be installed prior to system application.
- 3) Moisture vapor emission rates (MVER) in excess of 6.0 lbs/1000sq/ft/per 24hr. period per ASTM F1869, or a RH in excess of 84% per ASTM F2170 may result in delamination, discoloration or improper curing without proper treatment prior to installation of the flooring system. Consult Sundeck Products USA Inc. for specific recommendations.
- 4) Vapor control primers, sloping, smoothing or leveling compounds, crack repair or isolation, water-proof membranes or other supplementary items may be required for proper installation at an additional cost. Consult with Sundeck Products USA Inc. for specific recommendations.

### Overview of Installation Steps

- 1) Apply first coat of SunLastic EPC35 Elevated Protective Coating by masonry brush or broom. Thoroughly “scrub” into surface.
- 2) Apply second and a third coat when heavy traffic requires by trowel, spray, roller or brush.
- 3) Clear or color Coat – Apply two coats by roller, brush or sprayer to produce a variety of architectural finishes (faux, brick, stone, tile, etc.) or for concrete resurfacing and protection.

### Skid Resistance and Cleanability

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

### Cleaning

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

### Specification Assistance

Consult Sundeck Products USA Inc. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

TECH - APP SHEET



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## GENERAL INFORMATION CONTINUED

### Chemical Resistance

See Sundeck Products USA Inc. Chemical Resistance Guidelines for chemical resistance of a product or system, as well as the types of test performed:

- ASTM C868 Standard Test Method for Chemical Resistance of Protective Lining.
- ASTM C267 Standard Test Method for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing's and Polymer Concretes.
- ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- Sundeck Products Inc. Proprietary Testing.

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, Sundeck recommends testing the products or system in accordance with intended end use.

### Testing

The technical data contained herein is the result of tests made in Sundeck's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

### WARRANTY INFORMATION

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN SUNDECK PRODUCTS USA INC. INVOICE ARE MET.

SUNDECK PRODUCTS USA INC. warrants to the purchaser of its products that such products are free from manufacturing defect. SUNDEK does not warrant or guarantee the workmanship performed by any person or firm installing its products. SUNDEK's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which SUNDEK sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which SUNDEK examination shall disclose to SUNDEK's satisfaction to be thus defective.

IN NO EVENT SHALL SUNDECK PRODUCTS USA INC. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON SUNDEK'S PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF A SUNDEK PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF SUNDEK'S PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION, ABUSE OR MISUSE. SUNDECK PRODUCTS USA INC. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIALS NOT SUPPLIED BY SUNDECK PRODUCTS USA INC., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM "ORIGINAL PURCHASER" IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM SUNDECK PRODUCTS USA INC. . SOLD ITS PRODUCT OR PRODUCTS. ANY ACTION TO ENFORCE ANY WARRANTY OR FOR BREACH OF CONTRACT OR ARISING OUT OF ANY CLAIM AGAINST SUNDECK PRODUCTS USA INC. . SHALL BE COMMENCED AND MAINTAINED ONLY IN A COURT OF COMPETENT JURISDICTION IN THE CONTINENTAL UNITED STATES OF AMERICA. THE PURCHASER ACCEPTS THESE TERMS AND CONDITIONS, AND HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.

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