

## COATING DATA

### DESCRIPTION:

PERMA-TUFF SL is a two component, 99% solids, highly cross-linked, self-leveling epoxy floor coating. This coating provides a high gloss, seamless surface that is extremely hard wearing, durable, stain and chemically resistant. Its film thickness can be varied to accommodate a wide range of flooring conditions.

### USE:

As a high performance flooring system for properly prepared concrete floors.

### SURFACE PREPARATION:

**PRIMERS:** Apply E-Bond 100 where recommended and especially for concrete that has exposed aggregate.

**NEW CONCRETE:** New concrete must cure for at least 28 days. Test for moisture content as per "ASTM D4263 Plastic Sheet Method". Concrete must be clean, dry, sound and free of all curing compounds, oils, grease, fat or other contaminants. Repair voids, cracks and other imperfections using Induron EFS 707 Epoxy Surfacer or other approved surface/filler. Prepare the surface per ICRI 310.2 to achieve surface profile to meet a CSP 3-5.

**OLD CONCRETE:** Coating older, uncoated concrete floors is done in much the same manner as new concrete. Before preparation the concrete surface must be thoroughly cleaned with a strong detergent to remove all grease, oils, etc. All loose concrete must be removed. Holes and cracks should be filled with EFS-707 before application of PERMA-TUFF SL.

**PREVIOUSLY PAINTED SURFACES:** Remove all peeling or damaged coatings by power tool sanding, abrasive blasting or stripping. If existing coating is intact it may be cleaned with a strong detergent or solvent and scuff sanded to remove the gloss. Rinse with clean, potable water as necessary. One or more test patches should be applied to the prepared surface and allowed to cure for several days. Check the adhesion and compatibility per ASTM D3359. Always consult your Induron representative for specific recommendations.

### COVERAGE:

Theoretical – 1600 ft sq per gallon at 1.0 mil dry film thickness.

### DRY FILM THICKNESS:

10-20 mils per coat

### WET FILM THICKNESS:

10-20 mils per coat

## APPLICATION DATA

### APPLICATION:

Pour mixed material on the floor in a ribbon and spread using either a flat or a notched rubber squeegee, depending on film thickness requirements. Back roll using a high quality, shed-free, 3/8-inch nap to remove squeegee marks. Check film thickness frequently. If any out gassing or bubbles are noticeable the coating should be rolled with a spiked roller to remove any entrapped air. This must be done within 30 minutes before the material begins to tack dry. If an anti-slip texture is desired, broadcast a clean, dry 30 to 50 mesh silica sand into the first coat at a rate approved by the owner. The size of the abrasive and the amount used will determine the slip resistance and cleanability.

Perma-Clean SL can be applied as a double broadcast system to provide additional film thickness and provide better impact and abrasion resistance. Consult your Induron representative for details.

### BLEND RATIO:

Add PERMA-TUFF SL Part B Activator to PERMA-TUFF SL Part A Base. Premix Part A for approximately one minute to be sure any settling is incorporated and then pour activator into premixed part A. Mix 2 to 3 minutes moving blade around while mixing. Avoid whipping air into material. It is strongly recommended that only full units be used, that both components are thoroughly mixed, and that all material from the bottom and sides of the container is mixed. Use of partial kits is not recommended. Do not scrape or drain mixing containers. Do not thin this material.

### POT LIFE:

1 hour @50F, 30 minutes at 70° F, 15 minutes at 80° F.

### CLIMATE:

Storage of this material at temperatures between 60-80° F will enhance the workability of the mixed material. Use this product only if the substrate temperature and ambient air temperature are between 50° F minimum and 100° F maximum. Also, the substrate must be 5° F above the dew point for a period of two hours after application to avoid condensation occurring on a wet coating. It is always good practice to apply coatings to concrete floors when the ambient temperature is dropping. This mitigates out gassing.

### CURING TIME:

To recoat: 8 hours minimum at 72° F, overnight at 50F, @ 50% RH.

Foot Traffic: 24 hours minimum at 72° F, 48 hours at 50F, @ 50% RH

Heavy Service: 72 hours minimum at 72° F, one week at 50F, @ 50 % RH

Full Cure: 5 days at 72° F, 10 days at 50F, @ 50% RH

Note: Lower temperature, higher film build, and/or poor ventilation will retard dry time.

### PHYSICAL DATA:

Volume Solids Mixed: 99.2 ± 0.2

Solids by Weight Mixed: 99.4 ± 0.2

Weight per Gallon: 13.18 ± 0.2 lbs

Volatile Organic Compounds: 0.4 lbs/gallon

Hazardous Air Pollutants (HAPS): 0.0 lbs/gallon

Colors: A wide variety of colors.

### SAFETY DATA:

See individual product label for safety and health information. Individual Material Safety Data Sheets are available upon request.

0117