



Product Data Sheet

Detectable Warning Surface

PRODUCT DESCRIPTION

Strongwarn detectable warning surface is a surface applied system that complies with all ADAAG and CSAS standards and guidelines.

SWADA 2000 is suitable for both new construction and retrofit applications. The system is comprised of a Portland based catalyst powder and polymerized latex emulsions. The system is easy to install and long lasting. Currently it is used extensively by several transit authorities due to the fact that it is cost effective and requires little if any maintenance. It has an anti-slip surface even when wet and it is impervious to de-icing salts.

It is available in two dome arrays and in a wide range of colors.

TYPICAL USES

Transit passenger platform edges
Sidewalk curb cuts.

ADVANTAGES

- Tactile warning surface complies with all ADAAG and CSAS standards and guidelines.
- Application requires no milling to undercut platform. Rapid and minimally disruptive installation.
- Bonds directly to platform or sidewalk without the use of adhesives or fasteners.
- Corrosion inhibitors contained in the material protect substrate from damage.
- Low water permeability--bars water and salt penetration.
- High water vapor transmission eliminates freeze/thaw damage.
- Will not de-bond to create tripping hazard.
- Zero VOC, non-toxic and odorless.

TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

- Adhesion** ASTM C-882, Type 1 515 psi
- Tensile Strength** ASTM C190450 psi
- Water Vapor Permeability** ASTM E96 1.96 perms/in
- Water Absorption** Weight gain of 4” coated concrete cube after 21 days water immersion (CMCH) <2%
- Freeze-Thaw Resistance – 50 Cycles** no scaling/peeling/flaking (Concrete cylinders immersed for 8 hrs in coated salt water solution followed by 16 hrs. of freezing).
- Weathering** ASTM G23 No visible degradation (Method I Procedure, 60 cycles)
- Resistance to Hydrocarbon Substances** ASTM D1308 (Spot Open Test) No softening or attack – after 21 days repeated re-application of gasoline, SAE-10 motor oil and jet fuel.
- Fire Resistance** UL790 Complies as Class A
- Potable Water Compatibility** NSF/ANSI Compliant

OVERVIEW OF INSTALLATION STEPS

- Surface preparation:..shotblast
- Lay out rubber mats and trowl in #82 dome material
- Allow to cure for a minimum of 3 hours at 75°.
- Strip off mold sections.
- Clean for reuse.
- Apply two coats #32 field mixture approximately one hour between coats, allow to cure 12 hours.
- Apply two coats of #4 sealer, wait one hour between coats and 12 hours before opening to traffic.
- For complete application procedures please refer to Our website at www.strongwall.com.

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.



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CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, SWI 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 Strongwall Industries Inc. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

CHEMICAL RESISTANCE

See SWI Products Corp's., 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 and Polymer Concretes.
- ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes
- Strongwall Industries 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, SWI 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 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.

LIMITED WARRANTY

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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