

StaticSmart™ ESD Epoxy | SmartCoat

PRODUCT DESCRIPTION

SmartCoat combines permanent conductivity, durability and value for applications requiring an inexpensive, easily installed ESD floor coating. Despite the low cost, SmartCoat meets or exceeds all the recommended guidelines for static control flooring in ANSI/ESD S20.20. SmartCoat ESD floors are durable, attractive and they can be applied over most flooring materials including concrete, wood and old tile. The most impressive aspect of SmartCoat is the ease of application. It's as simple to install as conductive acrylic paint but it also provides the durability you expect from permanent ESD floors.

SmartCoat is the only two part ESD epoxy coating that can be applied by both novices and professionals. Many of our clients actually apply their SmartCoat ESD floor themselves. SmartCoat is extremely easy to repair; it's ideal for challenging applications like warehouses and areas that use fork lifts, like shipping/receiving areas. SmartCoat installs for less than \$1.00 per square foot but with minor maintenance it will look as attractive as ESD floors and epoxy that cost three to five times more. SmartCoat can even be cleaned and shined using StatCare maintenance products.

APPLICATION AND MAINTENANCE

New concrete floors should be allowed to cure a minimum of thirty days. Application to floors colder than 60° F is not recommended. Floor surfaces must be free of any release agents, curing compounds, salts or efflorescence before coating. Sweep and then wash floors with an appropriate cleaning product to remove oil, grease, and soil. Follow by etching surface with an etching solution, then thoroughly rinse with clean water.

PRODUCT SPECIFICATIONS

Color	Medium Gray
Solids	37±1%
Resistivity (ASTM D257):	10 ⁸⁻⁹ Ohms ² Max/Cm ² @ 40% Relative Humidity
Static Dissipation:	0.02 Second
pH:	6.0 - 7.0
Weight Per Gallon:	9.3 lbs.
Hardness:	30 (Sward)
Viscosity:	H - J (Gardner)
Solvents:	Water-glycol
Flash Point:	142° F
Dry Time:	Dry to touch: 5-7 hours Open for traffic: 10-12 hours
Water Resistance:	8 hours - No effect
Alcohol:	1 hour - No effect
Gasoline:	8 hours - No effect
Caustic 5%:	2 hours - No effect
Soap Resistance:	8 hours - No effect
Slip Resistance (ASTM F609):	>.5 SCOF
Coverage:	400 - 600 Square Feet per gallon
Odor:	Moderate (Glycol Ether, Alcohol)



If floor has been previously coated, a small area should be cleaned, roughed up by screen disking with an 80 Grit screen, and then sealer applied to test for adhesion, lifting, etc. Any areas of the existing coating which display poor adhesion should be stripped. Wash the stripped areas, acid etch, and rinse thoroughly. Allow the floor to dry.

Catalyzed SmartCoat should be used within six hours of mixing, therefore, prepare only the quantity necessary for immediate use. Add premeasured catalyst to epoxy base. Stir gently until the catalyst has been thoroughly mixed in. Allow catalyzed SmartCoat to stand for 5 minutes.

Apply catalyzed SmartCoat with a short nap roller in thin, uniform coats. The initial coat will cover approximately 400-500 ft² per gallon. Allow the initial coat to dry for 5-7 hours, then apply a second coat. Second coat coverage is approximately 500-600 ft² per gallon.

NOTE: This product is not recommended for applications that experience reoccurring standing water. Finished floors may be opened to light traffic, under normal curing conditions, after 12 hours. Complete curing with maximum durability and chemical resistance will take 5-7 days

SAFETY INFORMATION

Health:	1
Flammability:	1
Reactivity:	0
Personal Protection:	B

WARNING:

Harmful if Swallowed. Contains 2-Butoxyethanol CAS# 111-76-2, Isopropanol CAS# 67-63-0, Diethylene GlycolMethyl Ether CAS# 111-77-3, and N-Methyl 2-Pyrrolidone CAS #872-50-4. Provide adequate ventilation. Prolonged exposure may cause dizziness. If dizziness occurs, seek fresh air. Use respiration equipment if needed. If ingested, induce vomiting with oil of ipecac. For contact with skin or eyes, flush with plenty of water. Consult with a physician. For complete information, consult MSDS sheet.

This information is accurate and current but may be subject to change without notice. 01/06