

DIAMONDSTONE®

DIAMONDSLURRY ESD

Self-leveling ESD



TECHNIQUEX®

DIAMONDSTONE®

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DiamondSlurry ESD is a nominal 30 mil, 100% solids, self-leveling epoxy component, ESD Topcoat. This system is formulated to provide the most consistent and reliable static control performance available. DiamondSlurry ESD uses a nanocomposite additive, designed to disperse uniformly through the system and provide consistent electrical performance for the life of the floor, delivering consistent dissipative readings within 10^6 - 10^9 ohms.



DIAMONDSLURRY ESD TYPICAL USES

- Data Centers
- Data Processing
- Hazardous Industries
- Electronic Manufacturers
- Healthcare Facilities
- Photographic Arts

BLENDING LIQUID PHYSICAL PROPERTIES ESD EPOXY

% Solids By Weight/Volume	100%
Viscosity	1,350 cps
SETA Flash, min.	>200° F
VOC gpl	0 gpl

PRODUCT FEATURES

Conductive Properties for the Life of the Coating

Meets USGBC LEED Criteria for low VOC

Tests $>1.0 \times 10^6$ to $<1.0 \times 10^9$ ohms

Carbon Nano 2 Technology Consistent Readings

BVG Below 15 volts with Conductive Footwear

Conforms With ANSI/ESD S20.20 Standard

The data shown in this document reflect typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

PRODUCT ADVANTAGES

- Furnishes electrostatic dissipation properties in accordance with the latest ESD Association guidelines and in accordance with EOS and ANSI/ESD specifications
- Superior Resistance to chemicals
- Consistent readings
- 100% Epoxy system, solvent free
- Advanced Nanocomposite

DIAMONDSLURRY ESD

CHEMICAL RESISTANCE

Reagent	Spot Test Results
Isoproponal	1
Bleach	1
MEK	4
Ammonia	1
Sodium Hydroxide 50%	1
Phosphoric Acid 10%	1
Nitric Acid 10%	1
Sodium Chloride 20%	1
Citric Acid 10%	1
Sulfuric Acid 10%	1
Sulfuric Acid 25%	1
Nitric Acid 10%	1
Hydrochloric Acid 10%	1
Acetic Acid 10%	2
Sugar Solution 10%	1
Lactic Acid 10%	1
Mineral Spirits	1
Tincture of Iodine	1, S
AFFF	1
Water	1

PHYSICAL PROPERTIES

Point to Point Resistance	>1.0 x 10 ⁶ to <1.0 x 10 ⁹ ohms
Point to Ground Resistance	>1.0 x 10 ⁶ to <1.0 x 10 ⁹ ohms
Body Voltage Generation	<100 Volts
Gloss 60 Degree	80
Coefficient of Friction	0.55 smooth
Adhesion to Concrete	>400 psi con- crete fails
Flexibility	0.25 inches passes test
Compressive Strength	11,200 psi
Tensile Strength	6,000 psi
Impact Resistance	80 in.-ibs, direct and reverse
Shore Hardness Shore D	80
Tensile Elongation	5%
Abrasion Resistance CS-17 Wheel, 1,000 hm load, 1,000 cycles	75mg
Water Absorption	0.02%
Indentation	PASSES

TECHNIQUEx

Techniquex sets the standard for resinous flooring for all industries that demand a world-class image & unsurpassed performance with floors that last. Techniquex developed the DiamondStone product line to establish the benchmark for quality, finish, and installation excellence.

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DIAMONDSLURRY ESD

CHEMICAL RESISTANCE

See DiamondStone Chemical Resistance Guide.

CLEANING & MAINTENANCE

See DiamondStone Cleaning Instructions.

SURFACE PREPARATION

Apply only to clean and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants. New concrete should be cured a minimum of 28 days. Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed. Remove any laitance or weak surface layers. Prepare surface by mechanical means to achieve a profile equal to industry standards. All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.

PRECAUTIONS & LIMITATIONS

DiamondStone, LLC recommends the use of slip-resistant with this product. As with any surface, all spills should be removed as soon as possible to prevent a slipping hazard. Refer to Material Safety Data Sheet for detailed safety precautions. Do not apply when concrete temperature is less than 50° For greater than 100° F. (Material cures slower at cooler temperatures, and working time will be substantially reduced at higher temperatures.) All components should be stored in a dry place at temperatures between 65° F and 85° F. Confirm product performance in specific chemical environment prior to use. Substrate temperature must be at least 5° F above the dew point.

ENVIRONMENTAL CONDITIONS

DiamondSlurry ESD is only recommended and intended for use within standard environmental conditions. Standard environmental conditions are 60 F to 100 F (surface and air temperature) and 10%-95% relative humidity. Techniquex shall be notified in advance and approve in writing any use outside these standard conditions. Failure to notify and receive prior approval from Techniquex for use in non-standard environments shall void all installation and product warranties.

EXCEPTIONS

If DiamondStone resinous systems is specified, the system incorporates unlimited moisture control. If DiamondStone is not specified, the system will meet the basis of design on moisture limitations.

NO-NONSENSE WARRANTY

TECHNIQUEx warrants materials & labor to be free from defects for a period of 5 years from the date of substantial completion of the work.

In the event a defect caused by materials or workmanship appears within 5 years, Techniquex's liability shall be limited to repair or replacement of the work in the defective area only, or at Techniquex's sole election, refund of a pro-rata portion of the contract price for the defective areas. This is the exclusive remedy against Techniquex for the work performed. Notification of a defect must be given to Techniquex in writing during the warranty period.

This limited warranty is exclusive and in lieu of all other warranties of any kind of nature whatsoever, including but not limited to implied warranties of merchantability and fitness for particular purpose, which are specifically excluded and disclaimed. Any and all remedies against Techniquex for defects are limited by this warranty, and in no event shall Techniquex be liable to owner or others for incidental or consequential damages.



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