

DIAMONDSTONE®

DIAMONDTHIN CRU ESD



DiamondThin CRU ESD is a nominal 35 mil system comprised of an unlimited moisture tolerant primer, a body coat of 100% solids epoxy and a topcoat of aliphatic polyester urethane. This ESD system delivers consistent readings in the static dissipative range of $1E6 - 1E9$. This system differs from the epoxy-based systems in that it delivers greater abrasion resistance and better UV resistance. An optional aggregate can be added to provide slip resistance increasing the coefficient of friction of the surface, without compromising ESD readings.

DIAMONDTHIN CRU ESD FEATURES

- UV Resistant
- Chemical Resistant
- Abrasion Resistant
- Unlimited Moisture Control
- Optional Slip-Resistance
- Qualified LEED® Product

DIAMONDTHIN CRU ESD

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
Coefficient of Friction*	0.45
ASTM D7234: Adhesion to Concrete	400 psi
ASTM D2794: Impact Resistance	160 in.-lbs, direct and reverse
ASTM D-4060: Abrasion Resistance CS-17 Wheel, 1,000 hm load, 1,000 cycles	30mg
ASTM D570: Water Absorption	<0.1%
% Solids By Weight/Volume	100%
ASTM D3960: VOC	<100 g/L

* Can be increased with the addition of slip resistant media.

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.

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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DIAMONDTHIN CRU 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° F or 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.

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, unless otherwise stated in the construction documents.

In the event a defect caused by materials or workmanship appears within the warranty period, 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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