

DIAMONDSTONE®

DIAMONDTRAFFIC HD

Moisture tolerant primer, elastomeric base coat,
and 2 topcoats of elastomeric aliphatic urethane



TECHNIQUEX®

DIAMONDSTONE®

DIAMONDTRAFFIC HD

DiamondTraffic HD is a nominal 65mil (exclusive of the aggregate) elastomeric urethane system for use on parking decks. The system consists of an unlimited moisture-tolerant primer, an elastomeric base coat, an intermediate aliphatic-urethane wear coat & an aliphatic-elastomeric urethane topcoat. Typical systems use a more economical wear coat that is not UV resistant. This can tend to cause overlap lines of yellowing through time with areas that were missed with the application of the topcoat. This is common because this is installed in the sun and overlap strips can be missed. DiamondTraffic HD is unique in that it uses the same topcoat material in the wear coat leaving your deck completely UV Resistant. DiamondTraffic HD systems never use acid washing as a form of prep, as it is inferior to shotblasting. All DiamondTraffic HD systems are applied to shotblasted decks.



DIAMONDTRAFFIC HD FEATURES

- Moisture Tolerant
- Superior Durability
- Aliphatic Intermediate & Topcoat
- Concrete Adhesion
- UV Resistant
- Qualified LEED® Product

DIAMONDTRAFFIC TYPICAL PROPERTIES

Tensile Strength (ASTM D-412)	3,200 psi
Elongation (ASTM D-412)	450%
Tear Resistance (ASTM D-624)	300 pli
Adhesion (ASTM D-4541)	Concrete Failure
Abrasion Resistance (ASTM D-4060)	6.1 mg/loss

DIAMOND-FJF JOINT FILLER TYPICAL PROPERTIES

Tensile Strength (ASTM D-412)	425 psi
Elongation (ASTM D-412)	550%
Tear Resistance (ASTM D-1004)	425 psi
Adhesion (ASTM D-4541)	Concrete Failure
Shore A (ASTM D-2240)	50

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.

System is also available as DiamondTraffic, which includes an intermediate wear coat on ramps and landings only. DiamondTraffic HD includes an intermediate wear coat on all surfaces.

DIAMONDTRAFFIC HD

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 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.

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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