

StaticWorx High-Build

ESD Epoxy Floor System

PRODUCT DESCRIPTION

StaticWorx High-Build ESD Epoxy is a three-part ESD floor system designed to meet the static control needs of today's high-tech and industrial environments. StaticWorx High-Build Epoxy is formulated to meet ANSI/ESD S 20.20 requirements for electrically conductive flooring. Because of its superior thickness and abrasion resistance, the durability of StaticWorx High-Build can withstand the demands of forklift traffic and pallet jack use common in many industrial areas. The composition of StaticWorx High-Build Epoxy make it suitable for use on most substrates including new and existing concrete slabs as well as existing wood and vinyl floors.

APPLICATION & MAINTENANCE

The floor surface must be clean and dry prior to installing the StaticWorx High-Build Epoxy System. To clean the floor, you can use a detergent or degreaser. The floor should be thoroughly rinsed with clean water and allowed to dry. StaticWorx High-Build Epoxy is installed in three parts; High-Build Primer, High-Build Ground Plane and High-Build Top Coat. For complete installation instructions, please view our "High-Build Installation Guidelines". StaticWorx High-Build Epoxy never requires waxing or buffing. To maintain the high gloss finish, use the following maintenance procedures: dust mop on a regular basis as needed. Damp mop with a neutral pH detergent as needed or scrub periodically with automatic scrubber using neutral pH detergent and NON-ABRASIVE SCRUB PADS SUCH AS WHITE, RED OR TAN POLISHED PADS.

ELECTRICAL SPECIFICATIONS (20 - 30% Relative Humidity)

	Resistance to Ground		Typical Charge Generated
	Epoxy	Footwear	
Conductive Footwear	$1 \times 10^5 - 5 \times 10^5$	1×10^5	< 10 V
Dissipative Footwear	$1 \times 10^5 - 5 \times 10^5$	1×10^8	< 15 V

MECHANICAL SPECIFICATIONS

Tensile Strength (ASTM D638)	2150 PSI (minimum)
Compressive Strength (ASTM C579)	6750 PSI (minimum)
Flexural Strength (ASTM D790)	2275 PSI
Surface Abrasion (ASTM D1044)	0.15 (wear index)
Hardness (ASTM D 2240)	50 - 80
Indentation @ 2000 lbs	None
Coefficient of Friction	0.520
Rate of Burning	Self-Extinguishing
Linear Thermal Expansion (ASTM E831)	No Expansion Noted
Water Absorption (ASTM C413)	0.025%
Elongation	(70) 3.5%