



## Specifications

# VPI Static Control Flooring

### NOTICE TO INSTALLER

THIS BROCHURE CONTAINS IMPORTANT INSTALLATION AND MAINTENANCE INFORMATION, AS WELL AS CAUTIONS AND WARNINGS. PLEASE MAKE CERTAIN THESE INSTRUCTIONS ARE PLACED IN THE HANDS OF THE FLOOR OWNER. OUR WARRANTY WILL BECOME EFFECTIVE ONLY IF THESE INSTRUCTIONS ARE FOLLOWED IN EVERY RESPECT. VPI'S EXCLUSIVE WARRANTY LIMITS VPI'S LIABILITY TO REPAIR, REPLACEMENT, OR CREDIT, AT VPI'S OPTION, ON VPIFLOOR PRODUCTS FOR WHICH A CLAIM HAS BEEN MADE ACCORDING TO VPI'S CLAIM PROCEDURE. CLAIMS FOR SURFACE DEFECTS OR VARIATIONS IN COLOR OR PATTERN MUST BE MADE TO VPI PRIOR TO INSTALLATIONS OF THE MATERIAL. FOR A COMPLETE STATEMENT OF VPI'S EXCLUSIVE WARRANTY, CONTACT: VPI, CUSTOMER SERVICE, P.O. BOX 451, SHEBOYGAN, WI 53082-0451.

## Conductive

### GENERAL

### REFERENCES

- A. ASTM F-1700: Solid Vinyl Floor Tile.
- B. ASTM F-150-98: Electrical Properties
- C. ESDM 7.1-2001 Electrical Properties
- D. ANSI/ASTM FISCO: Electrical Properties of Static Control Flooring
- E. ANSI/UL 779: Electrically Conductive Flooring
- F. NFPA 99: Standard for Health Care Facilities
- G. NFPA 101: life Safety Code
- H. ASTM E-662: Smoke Density
- I. ASTM E-648 / NFPA 253: Fire Resistance
- J. ASTM E-84: Fire Resistance (Steiner Tunnel)
- K. ASTM D-3389: Abrasion Resistance
- L. ASTM D-2240: Hardness
- M. ASTM D-2047: Static Coefficient of Friction
- N. ASTM F-970: Static Load
- O. ASTM D-297: Density
- P. ASTM D-412: Tensile

- Q. ASTM D-412: Elongation
- R. ASTM D-624: Tear Die
- S. ASTM F-925: Chemical Resistance
- T. ASTM F-1515: Light Aging
- U. ASTM F-1514: Heat Aging

## **WARRANTY**

- A. Provide manufacturer's warranty under provisions of Section [01700.] [01740.]
- B. Warranty: Include a 5-year warranty that products are free from defects in materials and workmanship. Including lifetime warranty for electrical resistance.

## **PRODUCTS**

### **ACCEPTABLE MANUFACTURERS**

- A. VPI, LLC (VPI), 3123 South 9<sup>th</sup> Street, P.O. Box 451, Sheboygan, WI 53082-0451

### **FLOOR COVERING MATERIALS**

- A. Conductive Resilient Floor Tile: Electrical resistance; 2500 – 1,000,000 ohms;
- B. Conductile: square edge or pre-grooved tile 12"x 12" tiles, 24"x 24" tile, & 36"x 36"; available in 1/8" ( 3mm ) thickness, color selected.

### **MANUFACTURING TOLERANCES**

- A. Micro-Squared <sup>™</sup> 12"x12" tile to plus or minus 0.002" inch; cut vertical edges perpendicular to tile surface.
- B. Precision control gauge to assure consistent surface with no high edges.

### **ADHESIVES**

- A. Flooring Adhesives: [VPI No. 150][VPI No. 160] Adhesive as required for specific use.
- B. Use trowel and roller Specified in the Installation and Maintenance Instructions as required per specific use.

## **EXECUTION**

### **EXAMINATION**

***Consult with manufacturer Floor Preparation Guide for precautions when substrate is lightweight aggregate concrete, magnesite flooring, or for below-grade conditions.***

- A. Verify that concrete sub floors on- or below-grade are installed over a suitable moisture retardant membrane.

- B.* Ensure concrete floors are dry and exhibit alkalinity levels between 5 & 9 pH with adequate carbonization and no dusting. Maximum moisture-emission: 5 lbs./1,000 sq. ft./24 hours. Moisture test kits are available from VPI. Moisture tests are recommended.
- C.* Ensure floor surfaces are smooth and flat with maximum variation of 1/8 inch in 10 feet.
- D.* Ensure floor surfaces are clean and free from dust, paint, oil, grease, curing agents, parting compounds, surface hardeners, sealers, solvents, old adhesives and other extraneous substances.
- E.* Beginning of installation means acceptance of surface and conditions.

## **INSTALLATION**

- A.* Install flooring in accordance with manufacturer's printed instructions.
- B.* Use adhesive recommended by floor tile manufacturer.
- C.* Clean substrate. Spread adhesive evenly in quantity recommended by flooring material manufacturer to ensure adhesion over entire area of installation. Use recommended notched trowel.
- D.* Set flooring in place, roll and cross roll with 150 lb. Sectional roller while adhesive is still wet to ensure full adhesion.
- E.* Lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.
- F.* Terminate flooring at centerline of door openings, where adjacent floor finish is dissimilar.
- G.* Install reducer strips at unprotected or exposed edges where flooring terminates
- H.* Scribe flooring to walls, columns, cabinets, floor outlets and other appurtenances to produce tight joints

## **GROUNDING**

- A.* Connect copper grounding strip provided by VPI to a stranded ground wire, cut off excess and recess into the wall.
- B.* OR; Ground to a column or beam by drilling and taping the column and affixing the grounding strip to the column in accordance with the manufacturer's instructions.
- C.* Lay the balance of the grounding strip into the adhesive covering it with additional adhesive. Install the flooring over the grounding strip.

## **PROTECTION**

- A.* Prohibit traffic on finished floor for 48 hours after installation.

## **FIELD QUALITY CONTROL**

- A.* Test completed instructions by representative in presence of Architect and Owner; in accordance with the test procedures of ESDM 7.1, NFPA 99 or ANSI/ASTM F-150.

## **CLEANING**

- A.** Remove excess adhesive from floor, base and wall surfaces without damage, while adhesive is still wet.
- B.** Clean floor and base surfaces in accordance with manufacturer's instructions.



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