



## LG 5100 Solvent Free Conductive Flooring Adhesive

# Installation Guide

Note: The following instructions should be reviewed prior to installation. Every effort has been made to provide accurate and reliable information in this guideline. This is only intended as a guide for our customer's use with our recommended tools and materials. Julie Industries can not accept any responsibility for loss or damage that may result from the use of this information, due to the possibility of variations of processing or working conditions and/or workmanship beyond our control. End user customers are advised to conduct their own tests for a particular application. We strongly recommend using a licensed and experienced flooring installer to ensure satisfactory results.

LG 5100 Solvent Free Conductive Flooring Adhesive is designed for the installation of conductive commercial grade PVC flooring. It is primarily used in such areas as computer rooms, where static discharge is minimized.

LG 5100 is a non-flammable water-based adhesive that is resistant to plasticizer migration and can be applied using common tools and techniques over a variety of subfloor surfaces. This adhesive has low odor and "zero" calculated VOC's (based on no solvents used), which makes it ideal for use anywhere odor is a concern, and also conforms to California requirements as specified in SCAQMD Rule 1168.

### SUBSTRATE REQUIREMENTS:

HVAC must be in operation. It is important that all products to be used in the installation be preconditioned at a temperature between 65° and 85°F for at least 48 hours before beginning the installation and permanently thereafter. Follow the installation instructions shipped with the flooring product.

Any substrate onto which flooring is to be installed should be carefully inspected to assure that proper adhesive bonding will be achieved. Proper adhesion requires that the surface be clean, dry, and free from dust, paint, old floor finishes, existing adhesives, or any other foreign material. Do not use this adhesive on any substrate that has been chemically cleaned. Adhesive coverage and spread rate may vary according to the substrate type and application method.

Moisture testing is required prior to any installation of StaticSmart Flooring product on concrete substrates. Testing should be done per ASTM F1869 Calcium Chloride Moisture Emission Test (with maximum emission levels of 5 lbs. moisture/1000 sq. ft./24 hrs.), or ASTM F2170 in-situ Relative Humidity Test (with maximum RH of 80%). Test concrete surface for pH (results must be between 6 – 10). Documented moisture and pH testing are required for all StaticSmart Flooring warranty. Do not install StaticSmart resilient flooring over gypsum patching and/or leveling compounds.

### INSTALLATION:

Follow all StaticSmart Flooring recommendations and guidelines for proper flooring installation.

When installing over a non-porous substrate, allow the spread adhesive to dry until the surface becomes tacky to the touch, but no adhesive is transferred to the fingertip. Drying speed will vary according to temperature and porosity of the substrate,

temperature of the air and components, relative humidity, as well as dryness of the floor and thickness of the application. Over porous substrates, install the flooring into the adhesive just as it reaches a semi-dry state.

Flooring should be installed immediately after the required open time; otherwise important bonding properties will be affected.

**Trowel, 1/16" x 1/16" x 1/16" U or Square notched, 150 – 180 square feet per gallon**

**Note:** ESD flooring must be grounded in each segregated area, or once every 1,000 square feet of area. For proper grounding, place ground strips into the wet adhesive and apply additional adhesive over it prior to laying flooring. Once in place, connect all ground strips to the proper ground terminal.

**Clean up:** Clean up of tools and equipment may be accomplished using soap and water if the adhesive is in the wet state. Dried or tacky adhesive will require safety solvent.

**Storage and Handling:** Containers should be kept tightly closed. Protect from freezing (32 deg. F.).

**Disclaimer:** The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which the manufacturer assumes legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or product referred to herein. No warranty of fitness for a particular purpose is made. This Technical Data sheet and the information conveyed herein supersede all previous versions. 2/24/2011-2



# StaticSmart ESD Vinyl Tile

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