

### **Site Conditions:**

The installation of flooring shall proceed only after the work of other trades has been completed especially overhead trades. Areas to receive resilient flooring shall be clean, adequately lighted, fully enclosed, weather tight, and heated to a minimum of 65° to 70° F. for 72 hours before, during, and after installation is completed. Heat should be maintained in areas to receive flooring with the building's permanent heating system. Salamanders and other temporary heating devices should not be used.

### **Suitable Substrates:**

**Concrete Substrate:** Concrete substrate shall conform to requirements of ASTM F-710-05-Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring).

Concrete subfloors shall be steel troweled finished smooth, flat and level. Concrete shall be wet cured for a minimum of 30 days to 3,500 psi. Flatness of concrete shall be  $\pm 1/8$  in a 10'-0" radius. Minor cracks, chips, and spalls shall be patched with cement based patching material, i.e. Ardex or Mapei. Level high spots by grinding or sanding. Any required leveling shall be done with cement-based underlayment, minimum 3,500 psi, i.e., Ardex or Mapei. Patching and underlayment material shall be applied in strict accordance with manufacturer's specifications and installation instructions. MVER of substrate should not exceed 10lbs MVER/1000sf/24 hours per ASTM F1869.

**Wood Substrate:** Minimum 3/8" thick sanded APA graded plywood, properly installed, is a suitable underlayment.

**Heavy Rolling Loads:** In most cases adhesive is not necessary when installing Lockdown Interlocking flooring. However, if heavy rolling loads are present in the area of use and these rolling loads force the interlocking tabs apart, the use of TAJ 685 releasable adhesive under the areas that receive the loads may be necessary.

**Layout:** Establish chalk guidelines, which are at right angles to each other from which the tile/planks are to be laid. Measure the area to find the best starting point for maximum size perimeter cuts. If installed over raised access panels, layout tiles to cover the seam of the access floor panel first.

**Installation:** Before beginning Installation check actual boxes of all tiles/planks to be sure that correct color, pattern, and quality has been shipped for your specific installation. Do not mix dye lots in the same area.

- Observe wearing surface and back of all tiles to be sure there is no damage or defects. Do not install or glue tile with visible defects. Tiles that may have minor defects at edges can be used for trimming and fitting at walls.
- Lay tiles starting at the center of the room working toward the walls.
- Take care to align the interlocking tabs of one tile to those of the adjacent tile paying attention to the directional arrows on the back of the tiles. Once the tabs are aligned, tap with a non marking rubber mallet so the the tabs slide together. Misalignment of the tabs could result in damage to the tabs if the tiles are forced as the joints have a very tight fit.
- The perimeter tile or planks must be cut up to the wall from the field tile or plank. The perimeter tile or planks should be accurately scribed against the wall and any projections coming out from the walls leaving a gap of 1/8" for possible expansion. Cut product from the face side with a sharp knife. Do not jam tiles.
- All corners of tile should be aligned as the tab position on the tiles will not allow for a staggered installation.
- If the tile or planks cannot be installed with a uniform appearance, stop the installation and contact TAJ.
- Fit tile or planks carefully and neatly to all pipes, columns and other obstructions without voids, especially where there will be no base installed.

### **Post Installation Protection:**

- The floor is designed to properly support a static load of 1000 psi. Furniture, equipment, and rolling loads should not exceed these limits. If they do, legs of such equipment and furniture should be properly supported to prevent damage to tile or planks. Protect floor surface with wood or sheets of plywood whenever heavy equipment or furniture must be moved to avoid surface damage.
- Metal swivel smooth bottom glides are recommended under chairs and table legs to prevent scratching.



# MATERIAL SAFETY DATA SHEET

## LOCKDOWN INTERLOCKING FLOORING

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MSDS DATE:11/1/15

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Lockdown Interlocking – Heterogeneous Floor Tile

**COMPANY INFORMATION:** TAJ Flooring, Inc.  
**ADDRESS:** 740 Church Road  
Elgin, IL 60123

**EMERGENCY PHONE:** 847-690-9930  
**CHEMTREC PHONE:** 847-690-9930 x160  
**OTHER CALLS:** 888-652-2111  
**FAX PHONE:** 847-690-9331

**CHEMICAL NAME:** LVT – Heterogeneous Floor Tile

**PRODUCT USE:** Floor Covering  
**PREPARED BY:** TAJ Flooring Inc. Technical Services

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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None per OSHA Standard 29 CFR 1910.1200 and SARA Title III, Section 313

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### SECTION 3: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:**

**Form:** Solid, flooring tiles  
**Color:** Varies  
**Odor:** No appreciable odor

**WARNING STATEMENTS:**

None

**POTENTIAL HEALTH EFFECTS**

**Primary Routes of Exposure:** N/A

**EYES:** N/A

**SKIN:** N/A

**INGESTION:** N/A

**INHALATION:** N/A

**ACUTE HEALTH HAZARDS:** None known

**CHRONIC HEALTH HAZARDS:** None known

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N/A

**OTHER:** This product is an article or building product and is relatively non-toxic, presenting no known hazard to people, except as noted under thermal decomposition by-products

**SECTION 3 NOTES:** Refer to section 11 for toxicology information.

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### SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with cool water, like any non-hazardous solid

**SKIN:** If skin is irritated from handling product (transitory mechanical dermatitis), wash thoroughly with soap and water. Seek medical attention if condition persists.

**INGESTION:** Seek medical attention if a considerable amount has been swallowed

**INHALATION:** None expected from product. Remove to fresh air and seek medical assistance if adverse reaction to adhesive should occur.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** None

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**SECTION 5: FIRE-FIGHTING MEASURES**

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FLAMMABLE LIMITS IN AIR, UPPER: N/A  
(% BY VOLUME) LOWER: N/A

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: N/A

NFPA HAZARD CLASSIFICATION: N/A

EXTINGUISHING MEDIA: On its own, product is difficult to ignite. Use water spray or other appropriate media for surrounding fire

SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Protect self from melted product and combustion products.

SECTION 5 NOTES: ASTM E-648 CRF value greater than 0.45 w/square cm; material is considered to be self-extinguishing.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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ACCIDENTAL RELEASE MEASURES: None, This is a non-hazardous product.

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**SECTION 7: HANDLING AND STORAGE**

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HANDLING AND STORAGE: Consult TAJ installation instructions for information on handling and storage of this non-hazardous product.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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ENGINEERING CONTROLS: Install in well ventilated area

RESPIRATORY PROTECTION: Normally not required

EYE PROTECTION: Normally not required

SKIN PROTECTION: Normally not required

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Normally not required

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE: Solid, flooring tiles

ODOR: No appreciable odor

PHYSICAL STATE: Solid, flooring tiles

pH: N/A

BOILING POINT: N/A

MELTING POINT: N/A

FREEZING POINT: N/A

VAPOR PRESSURE (mmHg): N/A

VAPOR DENSITY (AIR = 1): N/A

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): Above 1.60

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: N/A

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**SECTION 10: STABILITY AND REACTIVITY**

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CONDITIONS TO

AVOID (STABILITY): Stable

INCOMPATIBILITY (MATERIAL TO AVOID): Stable

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition in the presence of air may yield hydrogen chloride gas, carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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TOXICOLOGICAL INFORMATION: Non-toxic

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**SECTION 12: ECOLOGICAL INFORMATION**

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ECOLOGICAL INFORMATION: No ecological impact study information is available on this product.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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WASTE DISPOSAL METHOD: Disposal should be done in accordance with all local, state and federal (40 CFR Part 261) regulations. Be aware that state and local requirements differ widely depending on location and may in many cases be different from federal regulation.

RCRA HAZARD CLASS: N/A

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**SECTION 14: TRANSPORT INFORMATION**

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U.S. DEPARTMENT OF TRANSPORTATION  
PROPER SHIPPING NAME: Not regulated  
HAZARD CLASS: Not regulated  
ID NUMBER: N/A

SECTION 14 NOTES: The information in this section is for example only. Please apply the appropriate regulations to properly classify your shipment for transport.

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**SECTION 15: REGULATORY INFORMATION**

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U.S. FEDERAL REGULATIONS  
TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A  
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A  
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A  
311/312 HAZARD CATEGORIES: N/A

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**SECTION 16: OTHER INFORMATION**

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OTHER INFORMATION: This material is a finished floor covering product. TAJ Flooring provides a Product Safety Data Sheet on all finished floor covering products.

Product Safety Data Sheets (PSDS) are provided for finished floor covering products based on the "article exemption" found in 29 CFR 1910.1200 (b) (6) (v). An article is defined as: "a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has an end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use, does not release more than very small quantities, e.g. minute or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees."

Material Safety Data Sheets for all sundry products (adhesives, maintenance products, etc.) can be obtained by contacting TAJ Flooring customer service at 888-652-2111.

Because most floor installations require adhesives, it is recommended that the user review the manufacture's recommendations for adhesive spread rate, open time, proper ventilation, safe installation practices, etc. prior to and during installation.

DISCLAIMER: Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date of hereof, the company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will the company be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.