

1. PRODUCT NAME

Metropolitan Systems - Complete (MSC) Resilient Universal Flooring Adhesive (3124223)

2. MANUFACTURER

Metropolitan Hardwood Floors
 811 Cliveden Avenue, Delta, BC V3M 5R6, Canada
 8106 South 216th Street, Kent, WA 98032, USA
 1-800-992-3163 (Canada)
 1-800-851-7056 (USA)
 www.metrofloors.com

3. DESCRIPTION

MSC Resilient Premium Universal Adhesive is a high moisture resistant, aggressive pressure sensitive adhesive formulated for the installation of dimensionally stable LVT & Vinyl Plank fiberglass-backed sheet flooring, and vinyl backed resilient sheet flooring. This high strength adhesive is designed for installations over porous and non-porous substrates. MSC Resilient Premium Universal Adhesive is CRI Green Label Plus Certified, and is SCAQMD 1168 compliant.

Key Features and Benefits

- Ultra-aggressive pressure sensitive adhesive
- High tack and robust adhesion
- Immediate foot traffic after PSA method installation
- Heat weld after 4 hours (PSA installation)
- Moisture tolerance on concrete up to 99% RH
- Long working time – Up to 12 hours
- Ideal for LVT/LVP
- Also bonds carpet tile, VCT, and vinyl sheet goods
- Low VOC

Packaging

4 gallon plastic pail (15.13 L)

Coverage

Determine recommended trowel size based on flooring type. Coverage will vary with the absorption of substrate and trowel size. Figures below are presented only as guidelines.

Coverage and Trowel Selection:



1/16" x 1/16" x 1/16"
Square-notch trowel

Porous substrates: 1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm)
 Square-notch trowel; 125-175 ft²/gal. (12-16 m²/3.78 L)



1/16" x 1/32" x 1/32"
U-notch trowel

Non-porous substrates: 1/16" x 1/32" x 1/32" (1.6 x 0.8 x 0.8 mm)
 U-notch trowel; 175-250 ft²/gal. (16-23 m²/3.78 L)



3/8" Nap roller

Cushion-backed or fiberglass-backed sheet vinyl / Smooth-backed vinyl or non- PVC carpet tile: 3/8" Nap roller; 250-350 ft²/gal. (23-33 m²/3.78 L) (If recommended spread rate is exceeded a loss of bond may occur. Not intended for use with any pad attached rigid core product.)

*If recommended spread rate is exceeded, a loss of bond may occur. Not intended for use with any pad attached rigid core products.

Recommended Applications

- Residential
- Light & Heavy Commercial
- Healthcare
- Institutions

Recommended Substrates

- Concrete
- Portland Based Underlayments
- Cork Underlayment
- Properly Prepared Gypsum
- APA Approved Plywood
- Terrazzo
- Fiber Cement Underlayment
- Radiant Heated Subfloors
- Properly Prepared VCT (Single Layer)
- Properly Prepared Sheet Vinyl (Single Layer, fully adhered)

Substrate Preparation: Follow flooring manufacturer's guidelines for allowable levels of concrete moisture content. Concrete substrate must be cured at least 28 days and prepared in accordance with ASTM F710. All concrete slabs must have an intact vapor barrier per ASTM E1745.

Moisture tests are required on concrete subfloors. Moisture testing should be performed by ASTM F2170 In Situ Relative Humidity Test with readings not to exceed ninety-nine (99) percent or ASTM F1869 Calcium Chloride Test with MVER not to exceed twelve (12) lbs. per one thousand (1,000) square feet per twenty-four (24) hours. The maximum pH levels should not exceed a reading of 12.

Storage

Store at a moderate room temperature. Protect adhesive from freezing. Refer to the Technical Data section of this PDS, for more information.

Shelf Life

Maximum of 2 years from date of manufacture in unopened container.

Limitations

- For interior installations only.
- Flooring must be acclimated per manufacturer's instructions.
- Do not install when the concrete RH is over 99%, per ASTM F2170.
- Do not install when MVER is over 12 lbs. per 1,000 ft² per 24 hours, per ASTM F1869.
- Although MSC Resilient is a moisture tolerant adhesive, it does not form a moisture vapor barrier and will not protect flooring from moisture damage. Use of a moisture mitigation product may be required for higher moisture content concrete.
- Do not install when the pH is greater than 12.
- Install only when the substrate temperature is between 50° and 90°F (10°-32°C).
- Do not install into wet adhesive over nonporous substrates.
- Do not apply over adhesive residues.
- The dimensional stability of some vinyl flooring is very sensitive to fluctuations in ambient environment conditions. Metropolitan Hardwood Floors is not responsible for installation issues caused by dimensional changes in flooring.
- It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

Cautions

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the product(s) under normal environmental

and working conditions. Because each project is different, Metropolitan Hardwood Floors cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions. and working conditions. Because each project is different, Metropolitan Hardwood Floors cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

The information in this product data sheet is valid for 90 days from the date listed above. Please visit www.metrofloors.com to view or download the most current information.

4. TECHNICAL DATA

Physical Properties

Metropolitan Systems - Complete Resilient Universal Flooring Adhesive	
Description	
Base Polymer	Acrylic Polymer
Color	Light Straw
VOC Content	<1 gram per liter
pH	7.25
Consistency	Paste
Shelf Life	Two years in unopened container.
Storage	40°-95°F (4°-35°C)
Application Temperature	50°-90°F (10°-32°C)
Traffic Restrictions	Foot Traffic after 12 hours and Heavy Traffic after 24 hours for Semi-Wet Set. Light Foot Traffic allowed immediately after rolling and Heavy Traffic after 12 hours for PSA Method.
Open Time	Up to 12 hours depending on porosity and environmental conditions
Freeze/Thaw Stability	5 cycles at 20°F (-7°C)

5. INSTALLATION INSTRUCTIONS

Application

1. Refer to all manufacturer's recommendations and approvals prior to installation.
2. For Indoor Use Only.
3. Read this Product Data Sheet and SDS thoroughly prior to installation.

4. For best results, install at 70°F [21°C] (+/- 5°) and 50% R.H. (+/-5%).
5. For proper trowel or roller selection please see Coverage section in this document.
6. Spread adhesive using the recommended trowel or roller.
 - **PSA Method** (Porous and Non-Porous Substrates). Recommended for LVP/LVT and releasable carpet tile applications.
 - Allow spread adhesive to dry for 30-60 minutes or until adhesive is clear and does not transfer to fingertips when lightly touched.
 - Install flooring within 12 hours. Protect open adhesive from dust and debris.
 - **Semi-Wet Set Method** (Porous Substrates Only). Will result in a permanent installation and limited repositionability.
 - Allow spread adhesive to partially dry for 10-15 minutes, then install flooring.
 - Working time is approximately 20-30 minutes depending upon conditions.
7. Within 1 hour of placing flooring into the adhesive you must roll and cross roll the floor with a 100 lb. three-section roller to assure adhesive has made proper contact with the flooring.
8. Remove wet adhesive immediately with a damp cloth. Use Mineral Spirits to remove dried adhesive. CAUTION: Mineral Spirits are flammable. Read and follow all precautions on container label.

Clean Up

Remove wet adhesive immediately with a damp cloth. Use Mineral Spirits to remove dried adhesive. CAUTION: Mineral Spirits are flammable. Read and follow all precautions on container label.

AVAILABILITY

Metropolitan Hardwood Floors installation products (Metropolitan Systems - Complete) are available nationwide. To locate Metro Systems in your area, please visit us at; www.metrofloors.com



To learn more, visit: metrofloors.com

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