

# GRAVITY

ANTI-SKID SUBSTRATE COATING FOR  
FLOATING FLOOR INSTALLATION

SIGNATURE LINE®

## TECHNICAL DATA SHEET

June 2024  
Version 3.2

RESIDENTIAL

MULTI-FAMILY

COMMERCIAL

### DESCRIPTION

Gravity is a non-skid coating designed to install loose lay LVT, LVP over approved subfloors.

### APPROVED FLOORING TYPES

Fiberglass reinforced loose lay LVP/LVT and locking SPC/WPC with a minimum thickness of 5mm.

### PRECAUTIONARY NOTES:

- This product is not an adhesive and will not bond flooring to the substrate.
- This product will not correct irregularities in the flooring or substrate.
- LVP/LVT products must be dimensionally stable.

### APPROVED SUBSTRATES

- Concrete and radiant heated subfloors that do not exceed 85°F.
- Gypsum and light weight concrete (two coats of Gravity recommended).
- APA underlayment grade plywood and OSB (two coats of Gravity recommended).

### PRECAUTIONARY NOTE:

- Avoid using in wet areas such as showers.

### SUBSTRATE TESTING

#### ONE COAT

- RH** - 85% [ASTM F2170]
- pH** - 5-12 [ASTM F710]
- MVER** - 5 lbs [ASTM F1869]
- Porosity** - Must pass ASTM F3191

#### TWO COATS

- RH** - 90% [ASTM F2170]
- pH** - 5-12 [ASTM F710]
- MVER** - 10 lbs [ASTM F1869]
- Porosity** - Must pass ASTM F3191

### SUBSTRATE & SURFACE PREPARATION

1. All substrates or surfaces must be prepared per ASTM F710 standards including, but not limited to the following:
  - Concrete floors must be dry, clean, smooth, flat, and structurally sound. They shall be free of any foreign materials that might prevent proper absorption, including dust, dirt, solvent, paint, wax, oil, grease, contaminants from sweeping compounds, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, and curing, sealing, hardening or parting compounds, or unapproved admixtures.
  - Fill all surface cracks, grooves, depressions, control joints and non-moving joints with moisture resistant patching and self-leveling compounds, allow to fully cure and correct high spots before application.
  - When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85°F (29°C).
2. The substrate, Gravity, and flooring must be acclimated in an enclosed building with the HVAC operational at service temperature, between 60-95°F (15-35°C), and between 30-65% relative humidity, for at least 72 hours prior to, during, and permanently after installation.
  - When used as an anti-skid coating only (see 1, 2).
  - When used as an anti-skid coating plus concrete moisture vapor barrier (see 1, 2) **PLUS:** substrate must be porous per ASTM F3191.

### PRECAUTIONARY NOTES:

- An intact moisture vapor retarder must be present below the concrete (see ASTM E1745), must be fully cured (at least 45 days), porous (see ASTM F3191), without hydrostatic pressure, without pressurized liquid from any source, and free of surface alkaline salt crystallization.

MOISTURE  
CONTROL



### TAYLOR TECHNICAL SERVICES

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- Concrete must be a minimum of 2500 psi and without visible or standing water.
- Taylor Adhesives is not responsible for failures caused by significant plasticizer migration from flooring, contamination or substrates.*

## APPLICATION INSTRUCTIONS

**Follow flooring manufacturer’s guidelines for layout, design and any special precautions for installation.**


1. Spread product using required tool (see tool chart below). Product can be used as a 1- or 2-coat system.
  - When used as a two-coat system, allow the first coat to fully cure before applying the second coat perpendicular to the first coat.
  - Cure time is approximately 2 hours per coat under acceptable temperature and humidity conditions.
  - Flooring must be installed within 24 hours (if jobsite is exposed to dust, flooring must be installed immediately after product is cured).

## PRECAUTIONARY NOTES:

- Allow Gravity to fully cure (dry to the touch with no transfer) before applying any flooring product over top.
- If dust or grit accumulates on the surface prior to flooring installation, use a vacuum or damp mop (not wet) to remove contamination.
- Reseal lid when not in use to protect product.

## REQUIRED TOOLS AND COVERAGE

\*Coverage is approximate and may vary depending on porosity of substrate.

| FLOORING TYPES                    | TOOL*<br>(IMAGES NOT TO SCALE) |   | ESTIMATED COVERAGE  |
|-----------------------------------|--------------------------------|---|---|
| <b>MOISTURE BARRIER</b>           |                                |   |   |
| Approved floating floor products. | 3/8" Short Nap Paint Roller    |  | -350 ft <sup>2</sup> /gal (1 coat)<br>-200 ft <sup>2</sup> /gal (2 coats) |

\*It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the correct amount of product for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.

## CLEANING INSTRUCTIONS

**While product is still wet:** Use a damp cloth and water to remove.

**When product dry:** Use denatured alcohol, mineral spirits, or an adhesive remover/stripper. Always check compatibility on a piece of scrap flooring.

## STORAGE

This product should be stored at temperatures between 50-90°F (15-32°C). PROTECT FROM FREEZING.

## CAUTION

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

## WARRANTY INFORMATION

For warranty information, call Technical Services at **706-712-5823**, visit us on the web at **www.tayloradhesives.com** or e-mail us at **tech@tayloradhesives.com**. Flooring manufacturer’s and TAYLOR’s written pre-installation and installation instructions must be strictly followed or the TAYLOR warranty will be void.

| GRAVITY PRODUCT INFORMATION |   |  |
|-----------------------------|---|--|
| PRODUCT CHARACTERISTICS     | Product Classification                    | Anti-Skid Substrate Coating For Floating Floor Installation                            |
|                             | Base Chemistry                            | Synthetic latex blend  |
|                             | Curing Method                             | Evaporation  |
|                             | Appearance/Color                          | Off-white (wet), clear/translucent (dry)   |
|                             | Odor                                      | Extremely low  |
|                             | Consistency                               | Light, low viscosity liquid  |
|                             | Application                               | Easy rolling   |
|                             | Flammability                              | Non-flammable  |
|                             | Freeze/Thaw                               | Protect from freezing  |
|                             | Shelf Life [Unopened Container at 70°F]   | 1 year   |
| TESTING                     | Moisture Control                          | Protects flooring from 85% RH (1 coat) or 90% RH (2 coats)<br>Substrate moisture vapor |
|                             | RH [ASTM F2170]                           | 85% (1 coat); 90% (2 coats)  |
|                             | pH  | 5-12   |
|                             | MVER [ASTM F1869]                         | 5 lbs (1 coat); 10 lbs (2 coats)   |
|                             | Porosity [ASTM F3191]                     | Must pass (CSP 1+)   |
| TIME                        | Open Time                                 | N/A  |
|                             | Flash Time                                | N/A  |
|                             | Working Time                              | N/A  |
|                             | Cure Time                                 | 1 hr (per coat)  |
|                             | Pot Life                                  | N/A  |
| TRAFFIC                     | Light Traffic                             | N/A  |
|                             | Heavy Traffic                             | N/A  |
|                             | Heavy Rolling Loads                       | N/A  |
| ACOUSTICS*                  | STC                                       | N/A  |
|                             | IIC                                       | N/A  |
|                             | Delta IIC                                 | N/A  |
| SUSTAINABILITY              | Solvents                                  | No   |
|                             | Isocyanates                               | No   |
|                             | VOC Wet Applied [g/L] [SCAQMD Rule #1168] | < 1 g/L  |
|                             | Bio-Based Content                         | No   |
|                             | Post-Consumer Recycled Content            | No   |
|                             | Mineral Abundant Content                  | No   |
|                             | LEED v4/4.1 Points                        | Pending  |
|                             | Certifications                            | FloorScore   |
| Transparency                | USGBC Member                              |  |
| WARRANTY**                  | Duration (non CFI Certified)              | 10-Year Performance Warranty   |
|                             | Duration (CFI Certified)                  | Lifetime Performance Warranty  |
|                             | Coverage                                  | Product Performance, 85-90% Substrate Moisture Vapor                                   |

\*IIC (delta) and STC (delta) ranges are flooring assembly specific based on third party testing and verification in a controlled environment. For any questions or further information, please contact TAYLOR Technical at 706-712-5823.

\*\*For warranty information, view Product Warranty Certificate.