

# SAHARA®

UNLIMITED MOISTURE VAPOR  
BARRIER, ELASTOMERIC MEMBRANE



SIGNATURE LINE®

## TECHNICAL DATA SHEET

January 2023  
Version 3.1

RESIDENTIAL

MULTI-FAMILY

LIGHT COMMERCIAL

HEAVY COMMERCIAL

### OPTIONAL - WHEN USED AS PART OF A GLUE-DOWN FLOORING SYSTEM:

- STEP 1 - APPLY TAYLOR SAHARA® AND ALLOW IT TO FULLY CURE
- STEP 2 - APPLY TAYLOR ENHANCE® AND ALLOW IT TO FULLY CURE
- STEP 3 - APPLY TAYLOR ADHESIVE AND INSTALL FLOORING

### DESCRIPTION

When you need complete peace of mind, Sahara covers all your bases. Engineered to combat extreme moisture installations, it is one of the most aggressive moisture vapor barrier products on the market. Sahara can speed-up your construction timeline, eliminating the need for costly moisture testing.

### APPROVED SUBSTRATES

- Cementitious and anhydrite screeds
- Concrete and radiant heated subfloors that do not exceed 85°F (30°C)

### SUBSTRATE TESTING

**RH** - No testing required: 100% [ASTM F2170]

**pH** - No testing required: 5-14 [ASTM F710]

**MVER** - No testing required: [ASTM F1869]

**POROSITY** - CSP 1+, must pass [ASTM F3191]

### SUBSTRATE & SURFACE PREPARATION

Substrate must be prepared per ASTM F710 standards including, but not limited to the following:

- Concrete floors must be dry, clean, smooth 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.
- The substrate, adhesive 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 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).

### 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.
- Concrete must be a minimum of 2500 psi and without visible or standing water.
- Substrate must be porous per ASTM F3191.

### APPLICATION INSTRUCTIONS

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

1. Apply product using required tool (use a slow, smooth, even motion to achieve best results)
  - This product self-levels and will flow and pool in low spots.
  - Cure time ~8 hrs under acceptable temperature and humidity conditions.

MOISTURE CONTROL  
WITH  
**NO**  
TESTING



### TAYLOR TECHNICAL SERVICES

706.712.5823  
tech@tayloradhesives.com  
3343 Dug Gap Road, Dalton, GA 30721

**TAYLOR**  
WITH YOU EVERY STEP™


2. (Optional) When using this product for glue-down flooring applications, use TAYLOR Enhance® as a bond promoter before applying TAYLOR adhesive (see Enhance technical data sheet for complete application instructions).

**PRECAUTIONARY NOTES:**

- If grooves, depressions or other indentations are greater than 1/8", refer to ASTM F710.
- Reseal lid when not in use to protect product.

**REQUIRED TOOLS AND COVERAGE**

\*Trowel dimensions are width X depth X spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held.

FLOORING TYPES	TOOL* (IMAGES NOT TO SCALE)	ESTIMATED COVERAGE	
<b>MOISTURE BARRIER</b>			
For use under all glue-down, loose-lay, and floating floors	1/8" x 1/8" x 1/16" V Notch		90-120 ft <sup>2</sup> /gal

\*It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the correct amount of adhesive 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.

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

**STORAGE**

Store unopened between 50-90°F. While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 10°F. **Shelf life: 1 year.**

**CAUTION**

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN. For more information, refer to SDS (safety data sheet) at [tayloradhesives.com](http://tayloradhesives.com).

**WARRANTY INFORMATION**

For warranty information, call Technical Services at **706-712-5823**, visit us on the web at [www.tayloradhesives.com](http://www.tayloradhesives.com) or e-mail us at [tech@tayloradhesives.com](mailto: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.

SAHARA PRODUCT INFORMATION		
PRODUCT CHARACTERISTICS	Product Classification	Unlimited Moisture Vapor Barrier, Elastomeric Membrane
	Base Chemistry	STPE polymer-based (Hybrid Propel®)
	Curing Method	Moisture cure
	Appearance/Color	Clear/translucent
	Odor	Extremely low
	Consistency	Low viscosity fluid
	Application	Easy troweling
	Flammability	Non-flammable
	Freeze/Thaw	Stable to 10°F (-12°C) [3 cycles]
	Shelf Life [Unopened Container at 70°F]	1 year
TESTING	Moisture Control	Protects flooring from unlimited (100% RH) substrate moisture vapor
	RH [ASTM F2170]	No testing required (100%)
	pH	No testing required (5-14)
	MVER [ASTM F1869]	No testing required
	Porosity [ASTM F3191]	Must pass (CSP 1+)
TIME	Open Time	N/A
	Flash Time	N/A
	Working Time	N/A
	Cure Time	8 hrs
	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]	< 0.05 g/L
	Bio-Based Content	No
	Post-Consumer Recycled Content	No
	Mineral Abundant Content	No
	LEED v4/4.1 Points	Contributes to low emitting materials
	Certifications	FloorScore®, Green Label Plus®, GREENGUARD®
Transparency	mindful MATERIALS Library, USGBC Member	
WARRANTY**	Duration (non CFI Certified)	10-Year Performance Warranty
	Duration (CFI Certified)	Lifetime Performance Warranty
	Coverage	100% 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.