

Sahara

Moisture Vapor Barrier

DESCRIPTION

SAHARA, it is a unique one-part, multi-functional moisture barrier that dries to a clear film that is alkali and water-resistant. It is designed for use on interior porous concrete substrates as a penetrating and film-forming hydrophobic (water repelling) barrier to protect flooring installations against moisture vapor emissions. The multi-functionality of the product results from the barrier coating's ability to prime porous concrete and eliminate dust, and to neutralize surface alkalinity by forming a barrier coating that provides an acceptable pH level and blocks migration of alkaline salts through the slab. Installation Note: Adhesives applied over non-porous substrates require extended drying time. With the application of SAHARA, concrete subfloors are rendered non-porous and should be treated as such.

APPROVED SUBSTRATES

SAHARA is recommended and warrantied for 'on' and 'above' grades of concrete floors. If true hydrostatic water pressure is present at a slab on grade, contact the Taylor Technical Team for advice on moisture mitigation in that situation. Use SAHARA Concrete Barrier in conjunction with an appropriate Taylor flooring adhesive for permanent protection from moisture related adhesive bond failures.

SUBSTRATE PREPARATION

Moisture testing is not required as long there is no visible moisture or standing water. The concrete substrate must be at least 45 days old and 2,500 PSI or greater. The slab must be porous so the sealer can penetrate the surface and create a moisture barrier within the concrete. If the slab does not pass the porosity test, then abrade to a CSP 1-3 to ensure the porosity of the concrete. The floor must be free of all foreign substances, including old adhesives, floor sealers, curing compounds, wall plaster, cleaning compounds, wax, oil, dirt, or any other substance that would interfere with or block the absorption of the sealer into the concrete surface. For best results SAHARA should be applied directly to porous concrete but may be applied over moisture resistant cementitious patch. Follow the patch manufacturer's recommendations for proper use of their products. The area of application must be in an enclosed building with operational HVAC system. Acclimate the sealer and area of application at a temperature of 65-95 F [18-43° C], and at a relative humidity of 30%-60% for 72 hours before, during, and after installation.

All cracks in the concrete must be completely filled and sealed using a polymer fortified cementitious patching and leveling compound. SAHARA will not prevent water from coming up through cracks in the concrete substrate. Follow the manufacturer's directions for waterproofing crack sealers and cementitious patching and leveling compounds.

INSTRUCTIONS

After the concrete has been properly prepared, begin the application of the sealer. To ensure proper coverage over the entire floor, divide the floor into 120 sq. ft. sections and apply one gallon of SAHARA per section. Pour the Sahara directly on the slab distributing it evenly utilizing a 1/8" X 1/8" X 1/16" V-notch trowel keeping it at a 60-degree angle with the substrate. This will ensure proper coverage and will allow the mechanic to monitor the volume of sealer as it is applied. It is critical that the Sahara moisture vapor barrier is distributed to a thin uniform film over the concrete. It is important to prevent puddling of sealer in low areas as this will extend the drying time and delay the flooring installation.

SAHARA must be allowed to dry [approximately 8 hours]. To prepare the bonding surface for glue down flooring after the SAHARA has completely dried apply a coat of Taylor ENHANCE Next-Generation Bond Promotor. Allow ENHANCE to completely dry. Apply the appropriate Taylor adhesive according to adhesive directions. Floating floors that do not require adhesive can be installed directly over the SAHARA.

NOTE: If subfloor conditions require additional leveling, apply patching or leveling compounds once ENHANCE is completely dry. Then apply the appropriate Taylor adhesive over leveling compound. Jobsite conditions may vary and may extend drying time of the sealer. Do not over-apply sealer. Do not allow sealer to puddle. Immediately remove excess material from heavy areas using the recommended trowel to ensure even distribution. Concrete floors can vary in porosity. Applying too much sealer will interfere with its curing, creating soft spots that will require longer cure times. The skin of the soft spots should be scraped off with a flat trowel and allowed to cure to a hard state. Areas that absorb the sealer very quickly are more porous, resulting in dull, non-shiny appearance.

NOTE: Once cured, any pinholes or bubbles in the product film must be repaired prior to flooring installation, please contact Taylor Technical services for repair instructions.

CLEANUP

Taylor Touchdown #9 Adhesive Remover/Stripper.

RECOMMENDED TOOLS

Trowel Size* and Notch	Coverage
1/8" X 1/8" X 1/16" V-Notch [3.2mm X 3.2mm X 1.6mm V-Notch]	Up to 120 ft ² per gallon

*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.

***IT IS THE INSTALLER'S RESPONSIBILITY TO APPLY THE PROPER AMOUNT OF ADHESIVE FOR THE JOB CONDITION.*

OTHER PROPERTIES:

Appearance: Clear/Glossy semitransparent coat when dry.

Cure Time: Approximately 8 hours

Coverage: 100 to 120 sq. ft. per gallon.

Shelf life: One year in unopened container at 70° F [21°C].

Other features: Waterproof when cured, non-flammable. Freeze/thaw stable to 10°F [-12°C].

STORAGE

This product should be stored at temperatures between 50° and 90° F [15°- 32° C]. Storage conditions outside this range may cause product viscosity to increase.

Containers must be kept tightly closed when not in use.

CAUTION

DO NOT take internally. If swallowed, DO NOT induce vomiting.

Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

WARRANTY INFORMATION

This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control. For complete warranty information, call Technical Services at 800-868-4583 ext 2221, visit us on the web at www.wftaylor.com or e-mail us at tech@wftaylor.com.