

XL Brands®



RH95

MOISTURE VAPOR REDUCTION SYSTEM

For Exclusive Use When Installing
Interface® Carpet Tiles

RH95 is approved for use EXCLUSIVELY on **Interface**® Flooring installations. **RH95** is an aqueous acrylic polymer that dries to a clear film that is alkali and water-resistant. It designed for use on interior porous concrete substrates as a penetrating and film-forming polymer to protect **Interface**® flooring installations against moisture readings up to 95% in-situ Relative Humidity (RH), moisture vapor emission rate up to 10 lbs., and pH of 11.0. **RH95** is designed and warranted for use only on **Interface**® approved flooring installations.

Application Instructions:

Use **RH95** to protect interior flooring installations from high moisture and alkalinity. Prior to applying **RH95**, moisture testing of concrete slabs is required to be performed in strict accordance with the latest versions of ASTM F2170 to determine in-situ RH, and for moisture vapor emission rate (MVER) per ASTM F1869. Recommended testing procedures should include:

1. Moisture test site(s) selection: Using an impedance and/or electrical resistance meter, first measure potential problem areas (trench lines, exterior walls, room dividers, surface discoloration, etc.). The first priority is given to those area(s) that measure higher moisture levels, until the appropriate number and properly spaced test sites are chosen.

2. Once the areas are chosen, there are two methods that give a reasonably accurate profile of the existing conditions; these are calcium chloride kits and humidity probes. These must be used together, otherwise the data gives an incomplete view as to the moisture content and slab condition. However, in the event of any adhesive related warranty claim, XL Brands reserves the right to perform other testing as deemed necessary to determine the causes. Note: **RH95** is not guaranteed or recommended for use where hydrostatic pressure exists, and must not be used on below-grade subfloors.

All substrate preparation and testing procedures must conform to appropriate ASTM F710 guidelines, and comply with the floor-covering manufacturer's specification. Concrete slabs must be constructed with a permanent moisture vapor retarder as described in Specification ASTM E 1745 installed directly below the slab. The installation site must be acclimated with HVAC in operation. The floor and room temperature, as well as the **RH95**, should be between 65°F-85°F, and the humidity between 10%-65% for 48 hours prior to, during, and after the testing and installation. Patching of substrate should be done following all manufacturers' application and curing instructions after applying **RH95**. Before applying **RH95**, the concrete substrate must be completely free of dust, dirt, paint, oil, curing or release agents (either topically applied or admixed into the concrete before it is poured), sealers, adhesives or anything that would prevent a proper bonding directly to the concrete. Excessively hard concrete surfaces may need to be abraded to achieve porosity. **RH95** cannot be used if chemical or solvent cleaners or adhesive removers have been used. The concrete must also be tested for porosity by placing a quarter-sized bead of water on the surface to observe absorption. If the water is not absorbed within 15 minutes, do not proceed with the installation.

RH95 cannot serve as a moisture reducer if applied over non-porous substrates, or over old adhesive residues. If old adhesive residue is present, it must be removed by sanding or bead-blasting to render the substrate surface porous. A bond test must be performed to test for absorption by rolling **RH95** over a 1-2 square feet test area. After the

minimum 4 hour drying period, use a putty knife to test the surface. If the **RH95** can be scraped off, it has not penetrated sufficiently, and the substrate will require further sanding or sandblasting.

RH95 is not recommended for use in conjunction with polyurethane-based adhesives, or for outdoor applications.

STOP: Due to the many additives being used in or on concrete slabs it is critical that the bond test be performed. Some treatments will repel any sealer or adhesive. If usage instructions are not completely followed, DO NOT USE THIS PRODUCT.

To help ensure proper adhesive bond for installations where a potential moisture vapor emission problem may exist, apply **RH95** on porous concrete with a 3/8" nap roller as an even coat over the entire surface of the floor. Make certain to keep the application roller wet with material. Only one coat is required, at an application rate of 35-40 square yards per gallon. Allow **RH95** to dry for a minimum of 4 hours, to the appearance of a light yellow film. To clean up while wet, use soapy water. Dry residues may require the use of a solvent remover. Containers must be kept tightly closed when not in use.

Precautionary Statements:

In case of eye contact, flush with water for 10-15 minutes. If irritation persists contact a physician. If prolonged skin contact causes irritation, wash with soap and water. If swallowed, consult a physician. Avoid release to the environment.

Safety glasses and gloves are recommended if contact is expected. Dispose of in accordance with local, regional, national, international regulations as specified. Read SDS for detailed product information. SDS may be obtained by calling 706-508-5907.

Hazard Statement:

This material may cause slight irritation of the skin and eyes. May be an ingestion hazard. This product is not for human consumption. Use proper precautions.

Shelf Life:

2 years from date of manufacture in unopened, properly stored container. Avoid excessive heat or cold.

Protect from freezing.

Store indoors at a temperature of 65°-95°F.

LEED PROGRAM CREDITS (where applicable)

- IEQ Credit 4.1-Low Emitting Materials
 - IEQ Credit 4.3-Low VOC ratings help qualify installations for this credit as part of a flooring system.
 - MR Credit 5-Regional Materials-on jobsites within 500 miles from manufacturing location: Dalton, GA 30721 USA.
- VOC content is below that established by SCAQMD Rule 1168.

Disclaimer: Users should determine the suitability of this information or product for their own particular purpose or application.

Manufacturer is not responsible for the misuse of this product.

This Technical Data sheet and the information conveyed herein supersede all previous versions.