

REDGARD® EXCEEDS THE REQUIREMENTS FOR WATERPROOFING STEAM SHOWERS

RedGard® Exceeds the Requirements as a Low Perm Waterproofing Membrane for Continuous Use in Steam Showers

Tile installers are familiar with what happens in the wall cavity and rooms adjacent to steam showers when they have not been properly waterproofed. Water and steam damage can result in expensive repairs to both the steam shower and the surrounding rooms. The responsibility for water vapor damage has typically fallen on the tile installer, who did everything right based on the information he was given. In 2010, tile installers from the NTCA asked for a better standard regarding steam showers to ensure that moisture would not move through these tile installations and into walls.

TCNA formed a committee of membrane manufacturers to evaluate the problem and develop a solution. The committee found that significant moisture vapor could make its way into the wall cavity. It was determined that both water movement and moisture vapor movement had to be controlled. Membranes that meet the requirements of ANSI A118.10 will control the water movement, but the requirement does not define their resistance to moisture vapor transmission.

The committee determined that the industry needed a definition for low perm waterproofing membranes. ASTM E96 addresses the allowable amount of water vapor transmission measured in perms, a unit of permeance. In 2013, this definition was added to require that low perm waterproofing membranes must meet the requirements of ANSI A118.10 and have a moisture vapor transmission less than 0.5 perms when tested to ASTM E96, using Method E (tested at 100°F and 90% relative humidity).

Testing reveals that Custom Building Product's RedGard® Liquid Crack Prevention and Waterproofing Membrane exceeds the TCNA requirement for a low perm waterproofing membrane. RedGard is suitable for surface waterproofing of floors, walls and ceilings in continuous use steam showers. Third party testing shows that a 30 mil dry film of RedGard has a perm rating of 0.36 when tested to ASTM E96 Method E.

CUSTOM RedGard Liquid Crack Prevention and Waterproofing Membrane offers the convenience of a liquid applied solution to contain both water and moisture vapor.

The information in this bulletin is presented in good faith, but no warranty, express or implied, is given nor is freedom from any patent in as much as any assistance furnished by CUSTOM with reference to the safe use and disposal of its products provided without charge. Custom Building Products assumes no obligation or liability therefore, except to the extent that any such assistance shall be given in good faith.



Technical Bulletin

Technical Services 800-282-8786
custombuildingproducts.com