Microvented Wallcoverings

In humid areas, where mold and mildew concerns exist, breathable wallcoverings reduce the possibility for mold and mildew to grow. Moisture is one of the four elements required for mold to thrive. Because moisture is able to pass from a wall cavity through a microvented wallcovering, a required element for mold and mildew is minimized.

Koroseal's microvented wallcoverings contain approximately 25,000 holes per square foot of surface area. The size of the holes is controlled to maximize permeability of the wallcovering while maintaining the aesthetic appearance.

Both standard and microvented Koroseal wallcoverings have been tested to ASTM E96-02, "Water Vapor Transmission of Materials", method B (water cup method). The standard 21 ounce wallcovering has a permeability rating of 0.68 perms and the microvented wallcovering average permeability rating is 10 perms.

The appearance of the majority of microvented wallcoverings is virtually identical to standard wallcoverings when installed. The embossing texture slightly impacts the permeability of the wallcovering and the visibility of the holes. In smooth and metallic patterns the microvented holes will be more visible.

In addition to microventing, Koroseal wallcoverings include a mold and mildew inhibitor to further reduce the possibility of mold and mildew growth.

Before installing any wallcovering, walls should be checked with a suitable moisture meter to insure the moisture content does not exceed 4%. No wallcovering should be installed until any water/ moisture incursions have been eliminated. In renovation projects, examine walls on which wallcoverings will be installed for mold and mildew growth.

All mold and mildew growth must be removed and surfaces treated to inhibit future growth. Special installation instructions are available – please contact your local Koroseal distributor.

Note:

It is important the building envelope be tight and properly maintained to prevent water incursion into the wall system. The microventing process makes the wallcovering more permeable to allow moisture in the wall cavity to pass through the wallcovering into the room and be removed by the HVAC system.

Microventing vinyl wallcovering reduces the risk of mold growth but is not a guarantee against mold growth.