



BioBlock[®] technology for mold and mildew resistance

What is BioBlock technology?

Products identified with MAPEI's BioBlock logo have been developed in such a way that they do not support mold/mildew/fungi growth after product installation as certified by external laboratories per industry standard ASTM G21: Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi. Common cleaning and maintenance practices are still needed.

What is the ASTM G21 test?

ASTM G21 is an industry standard that uses an intensive testing protocol for determining if fungi, including mold and mildew, can grow on a polymeric material. MAPEI uses a third-party lab and the ASTM G21 standard for testing the antifungal effectiveness of MAPEI products containing polymer that incorporate BioBlock technology.

How does the ASTM G21 test work?

The ASTM G21 test uses a mix of mold and mildew spores commonly found in household environments. Product samples are placed on nutrient-containing plates and sprayed with a mixture of these fungi. For 28 days, the test plates are kept at a constant temperature of 84.2°F (29°C) and exposed to high humidity, which are excellent conditions for fungal growth. The samples are then examined for fungal growth. If no growth is present, the product is considered to not support mold/mildew/fungal growth.

Every MAPEI product identified with the BioBlock logo has passed this rigorous ASTM G21 test procedure, ensuring that the product does not support fungal growth.

How many products incorporate BioBlock technology?

Since the introduction of the BioBlock logo in 2003, MAPEI has continued to develop and expand the range and depth of products that include this technology. The list of MAPEI products that carry the BioBlock logo is evolving with the technology and is constantly growing. Look for these innovative products across the following categories: Liquid membranes, adhesives, sealants, caulks, mortars, grouts and finishes. See our Website (www.mapei.us) for the current listing of BioBlock products.

For the homeowner and building owner, what is the advantage of using BioBlock products?

After installation, MAPEI's BioBlock products will not support the growth of mold/mildew/fungi – with adequate cleaning and maintenance practices.

For the contractor and installer, what is the advantage of using BioBlock products?

MAPEI's BioBlock products do not support the growth of mold/mildew/fungi – with adequate cleaning and maintenance. Therefore, their use can increase the life of an installation, resulting in fewer callbacks for installers and contractors.

For more information, contact MAPEI's Technical Services at 1-800-992-6273 (USA and Puerto Rico) or 1-800-361-9309 (Canada).

