

MACRO-Shield

ACTIVE ANTIMICROBIAL SOLUTIONS

Technology to protect surfaces from microbial growth

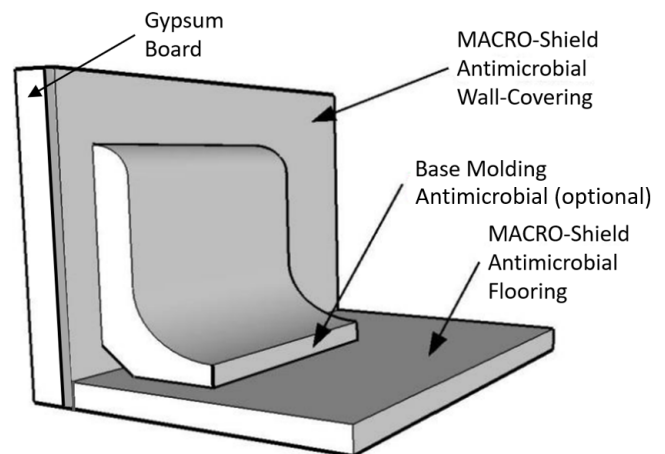
MACRO has developed **Floor and Wall Coverings** with active antimicrobial additives dispersed throughout the structure of the material. This ensures maximum durability and eliminates the possibility of surface wear compromising antimicrobial performance.

MACRO-Shield Wall & Floor Benefits:

- Surface growth of bacteria, fungus, mold, and mildew is inhibited
- Surfaces augment disinfection with antimicrobial dispersed throughout materials
- Surface cleanliness is maintained longer than conventional, untreated options

MACRO-Shield Cleaners:

MACRO-Shield distributes a line of **EPA-registered Class N disinfectants** that have been tested for compatibility with MACRO-Shield products. These provide maximum longevity and performance and are available at bulk, institutional pricing.



MACRO-Shield products contain antimicrobial additives. They are not intended to protect users against any disease causing bacteria or virus. MACRO is pursuing EPA registration for claims related to efficacy against common bacteria and viruses.

To learn more, visit www.macroindustries.com.

MACRO-Shield Commercial & Industrial Flooring

MACRO-Shield antimicrobial flooring is suitable for a wide range of commercial and industrial applications. It can be used as a free floating temporary floor for onsite clinics and popup events, or as a permanently installed flooring. The materials are specifically designed for high-traffic applications, UV sanitized during manufacturing, and are easy to clean. Flooring is available in several colors, textures, and is delivered in rolls up to ten feet wide. Sections can be seam-welded in the factory or onsite during installation.

Product Composition

MicroLock Technology™ Top Coat



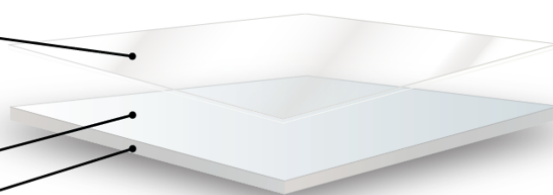
- Seals Surface for Easy Clean Up
- Reduces Staining
- Anti-Microbial / Anti-Fungal
- Improved UV Resistance
- Keeps Floor Looking Like New

Durable, Textured Surface

- Anti-Microbial / Anti-Fungal

Waterproof, 100% Polyvinyl Wear Layer

- Anti-Microbial / Anti-Fungal additives dispersed throughout



Technical Specifications

TEST	OUTCOME
Tensile Strength ASTM D412	Pass > 800 PSI
Flame Spread FMVSS 302	Pass Did not Ignite / Self Extinguishing
Abrasion Resistance ASTM D2240	Pass Weight loss after 1,000g = 0.06g Weight loss after 5,000g = 0.013g
Coefficient of Friction ASTM C1028	Pass Dry - 0.97 Wet - 0.91
Slip Resistance B101.3	Pass
Hardness ASTM D2240	Pass 90+_ 5 Shore A
Critical Radiant Flux ASTM E648	Pass 0.5 Watts/cm ²
Static Load ASTM F970	Pass 1000 psi
Residual Indentation ASTM F1914	Pass 250 psi 0.006"
Chemical Resistance ASTM F925	Pass After 24 Hours, little to no change (Chemicals Tested: ammonia, bleach, inks & markers, crayons, black scuff marks, gum, rock salt, synthetic snow melt, acetic acid, wax stripper, asphalt sealer, roofing tar)

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