



Innovation Founded on Experience

POLYMERICA INTRODUCES: **“The FLOOR and WALL ANTIMICROBIAL SERIES”** **Protection Against: Algae, Bacteria, Fungi and Yeast**

Polymerica Inc. is pleased to introduce the option of adding the Antimicrobial agent Vanquish™ 100 (EPA Approval No. 1258-1267) during the manufacturing process. Polymerica Branded Products with an antimicrobial agent polymer floors, walls and ceiling products are available with the worldwide registered and industry leading antimicrobial agent Vanquish™ 100 that has been used for over forty years in polymer materials.

- Polymerica’s component containing Vanquish will be labeled with both the standard Polymerica Brand Name and the registered trademark “Vanquish 100 - EPA Approval No. 1258-1267”.
- Vanquish is a biocide and it must appear on the label and it must be used in strict accordance with EPA (Environmental Protection Agency) Guidelines.
- The adding Vanquish 100 does not allow for Polymerica to claim that it kills microorganism, instead it limits the growth of the microorganism colonies.
- Vanquish cannot be added in the field, it must be added during the manufacturing process and factory labeling must be included on the component labeling.

Note: Vanquish is officious, meaning it works, against a broad spectrum of microorganisms, including algae, bacteria, fungi and yeast.

- Bacteria including both Gram negative and Gram positive
- Fungi including mildew and mold

USE:

Microbiologist and healthcare experts will recognize the effectiveness of Vanquish 100 since it is used in hospital sheeting, shower curtains, flooring and wall coverings. Other industries will recognize Vanquish 100 since it is used in refrigerators gaskets, shoe soles, pool liners, and other polymers goods.

- Hospitals, healthcare, convalescent and autopsy
- Laboratories, biotech, high-tech, clean rooms
- Industrial and institutional kitchens
- Manufacturing including, pharmaceutical, cosmetic, beverage and food processing
- Shower rooms, locker rooms, toilet areas
- Veterinarian clinics, vivariums, necropsy, animal housing, animal holding
- Other areas where controlling microorganism growth is desirable

DO NOT USE:

The EPA does not allow biocides to be used in areas of direct food contact, such as processing food counters, such as cutting boards or animal kennels where animal could eat food off the floor containing an EPA registered biocide.

CLEANING:

Polymerica Products containing Vanquish 100 are not a substitute for good housekeeping. Standard housekeeping practices compliant with industry and company standard cleaning practices should continue.

HOW VANQUISH 100 CONTAINING PRODUCTS WORK:

Microorganisms are literally everywhere. They tend to cluster where a food source is present on horizontal surfaces above and below, such as floors, the top of cove bases, window sills, door top molding, and even stipple finished wall coatings.

ACTIVE INGREDIENT in VANQUISH 100:

The active antimicrobial agent in Vanquish is N-butyl-1,2-benzisothiazolin-3-one (BBIT), which is efficacious against, but not limited to the microorganisms listed below:

Minimum Inhibitory Concentrations (MICs) VANQUISH 100 (ppm product).

Polymerica adds 250 ppm, unless requested otherwise prior to manufacturing. MIC levels for microorganisms not listed below will require a written request from the Specifier or Owner. Additional time may be required to determine the required MIC levels.

ALGAE

Chlorella vulgaris 16	Nostoc muscorum 16	Oscillatoria tenuis 16
Pleurococcus sp. 16	Trentepohlia aurea 16	

FUNGI

Alternaria alternata 25	Aureobasidium pullulans 4	Aspergillus niger 16
Chaetomium globosum 1.6	Cladosporium cladosporoides 19	Cladosporium herbarum 2.3
Gliocladium virens 62	Paecilomyces varioti 4	Penicillium funiculosum 3
Phoma violacea 2	Scopulariopsis brevicaulis 37	Trichoderma viride 50

BACTERIA

Acinetobacter baumannii 14	Bacillus cereus 2	Bacillus subtilis 2
Enterobacter cloacae 125	Enterococcus faecalis 2	Enterococcus hirae 4
Escherichia coli 62	Klebsiella pneumoniae 15	Listeria monocytogenes 4
Proteus mirabilis 125	Proteus rettgeri 125	Proteus vulgaris 60
Pseudomonas aeruginosa 125	Pseudomonas cepacia 60	Pseudomonas fluorescens 60
Serratia marcescens 250	Salmonella typhimurium 8	Staphylococcus aureus 2.5
Yersinia enterocolitica 15	Streptovorticillium waksmanii 2	

YEAST

Candida albicans 19	Rhodoturula mucilaginosa 4	Saccharomyces cerevisiae 0.4
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TYPICAL PHYSICAL PROPERTIES:

The addition of Vanquish 100 does not affect the physical or mechanical properties the Polymerica Products it is added into.