



Permacorr Guard

ANTI-MICROBIAL PAINT

Commercial Infrastructure and Public Health

PRODUCT DESCRIPTION:

Permacorr Guard is a low VOC semi-matt water-borne acrylate dispersion paint. It contains BioCote® silver phosphate glass antimicrobial technology to preserve the coating surface and prevent colonization and degradation caused by microbial growth once applied to the intended substrate. EPA Registration No 73148-1-88510

TECHNICAL DATA:

Components	One
Mix Ratio	Single component
Type	Waterborne acrylic
Thinner/Clean-up	Water
Recommended Dry Film Thickness	2-4 mil DFT (50-100 microns)
Color	White and tinted RAL colors
Finish	Semi-Matt
Dry Time (20 mils DFT) 50% R.H., 77° F (25° C)	Dust free: 30-60 minutes To overcoat: 3 hours Full cure: 7 days
Substrate Temperature During Application	50 - 100° F (10 - 38°C)
Humidity During Application & Cure	30 – 60% R.H.
Volume Solids	37% (+/- 3%)
Theoretical Coverage at 2 to 4 mil DFT At 50 -100 microns DFT	148 to 297 sq ft / gallon depending on film thickness
VOC	30 g/l depending on color
Wearability and wear resistance	Wet scrub resistance, Class 1-EN13300 (ISO 11998)
Recommended Application	Roller, spray or brush
Active ingredient	BioCote® antimicrobial technology
Packaging	20 liters/5 gallon metal drums
Storage Temperatures	Above 50° F (10° C)
Shelf Life	3 years un-open containers

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Advanced Polymerics, Inc.
32 Hampshire Rd.
Salem, NH 03079

(603) 328-8177 - Phone
(603) 328-8945 - Fax
www.api-smartcoat.com

V1072021

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Active Ingredient:

Permacorr Guard enhanced with BioCote® antimicrobial technology has been tested for antimicrobial performance in accordance with ISO 22196:2011 and exhibited a minimum of 95% and up to 99.99% reduction in the population of Escherichia Coli and Methicillin Resistant Staphylococcus Aureus (MRSA). Testing was carried out by an independent laboratory.

SUITABLE SUBSTRATES:

Permacorr Guard can be applied to primed concrete, gypsum wallboard, plaster, stopper, brick and building board surfaces according to the instructions. Permacorr Guard is also suitable for repainting old alkyd and dispersion paints.

SURFACE PREPARATION:

Clean new surfaces from dust and dirt. Wash previously painted surfaces with detergent & water to remove foreign contaminants for the surface. Matt down hard or gloss surfaces by sanding and remove the dust. For smoothing of irregularities in the surface choose a suitable stopper from the API PRO series or call for recommendation.

Priming

HUMID AREAS AND WET ROOMS: Prime concrete, plaster, stopper, brick, and building board surfaces with a moisture resistant sealer. **IN DRY AREAS** prime the surfaces previously mentioned with Drywall primer or Permacorr Guard.

Steel surfaces are prime with an Anticorrosive paint.
Prime galvanized surfaces with primer designed for galvanized surfaces.

Contact **Advanced Polymerics Inc.** for additional information regarding surface preparation.

APPLICATION & PRECAUTIONS:

Before use stir the paint thoroughly. Apply Permacorr Guard once or twice by roller, spray or brush. When AIRLESS SPRAYING the recommended nozzle size is 0.017 - 0.021". Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

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CONDITIONS:

The surface to be painted has to be dry. During the application and drying period, the temperature of the ambient air, the surface and the paint shall be above +41F (+5C) and the relative air humidity below 80%. Good ventilation during the application and drying period quickens the drying process.

MIXING AND CLEANUP:

Mix thoroughly before and during use. Wash painting tools in warm soapy water immediately after use. Spray equipment should be dried to prevent rusting. Follow state/local guidelines on solvent use.

MAINTENANCE INSTRUCTIONS:

Painted surfaces can be washed after two weeks when under normal circumstances, the ultimate durability and hardness is reached. High humidity and cool temperatures will result in longer dry, recoat and service times. Before this the painted surface must be treated with care. The painted surface can be cleaned by wiping with a neutral (pH 6 - 8) detergent. For very dirty surfaces can also alkalescent (pH 8 - 10) detergents be used. Detergent and dirt are removed by wiping and/or rinsing the surface with clean water. Use a cleaning cloth, soft sponge or similar for cleaning. Avoid coarse brushing or heavy abrasion. Follow the dilution and other instructions of the detergent producer when using detergents.

ENVIROMENTAL HEALTH & SAFETY INFORMATION:

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under **Thinning/Clean Up**.

KEEP OUT OF REACH OF CHILDREN PROTECT FROM FREEZING

Refer to Safety Data Sheet for additional health and safety information.

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WARRANTY:

Advanced Polymerics, Inc. warrants that its products are free from defects in material and workmanship. Advanced Polymerics, Inc.'s sole obligation and buyer's exclusive remedy shall be limited to replacement of products not conforming to this warranty. Any claim for replacement product must be made within one year from the delivery date. Advanced Polymerics, Inc. makes no other warranties, expressed or implied, such as warranties of merchantability or fitness for a particular purpose. Advanced Polymerics, Inc. products are intended for Buyers with the knowledge and skills to evaluate the suitability of Advanced Polymerics, Inc. products for Buyer's intended use. In no event shall Advanced Polymerics, Inc. be liable for consequential or incidental damages.

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