

# HYGIENE

## ANTI-BACTERIAL PAINT



### DESCRIPTION

A functional 100% pure acrylic based paint that offers resistance against bacterial and fungal growth.

Hygiene has been specifically developed as a specialty paint to ensure that certain environments, such as hospitals, clinics, schools, pharmaceutical facilities, catering and kitchen operation rooms, hotels etc. are clean, hygienic and that the spread of germs is kept to a minimum.

Hygiene is also a non-hazardous coating, and can be applied and disposed of in the same way as any standard emulsion while remaining effective against *Corynebacterium sp.*, *Escherichia coli*, *Klebsiella sp.*, *Proteus sp.*, *Pseudomonas aeruginosa*, *Pseudomonas stutzeri*, *Shewanella sp.*, *Staphylococcus aureus*, *Streptococcus reticulum*.

### RECOMMENDED FOR

Interior & exterior applications on wood, metal, plaster, wall-boards, concrete, cement rendering, brickwork & block work etc.

### KEY FEATURES

- No lead
- Hygienic, wide spectrum of biocide efficacy
- Mold & Fungi inhibiting finish
- Ideal for the resistance of vapor and fumes condensations
- Great Leveling and flow
- Superior durability
- Very good hiding power and opacity

### PHYSICAL PROPERTIES

<b>Anti-Bacterial Properties</b>	> 99.0%	Based on JIS Z 2801:200
<b>Solvent Type</b>	Waterborne	
<b>Finish Type</b>	Satin, Level 4, A Satin like finish	10 to 70 units at 60 degrees
<b>Gloss Values</b>	25 at 60°, 40 at 85°	Based on ASTM D523
<b>Spreading Rate</b>	Approximately 8-10 m <sup>2</sup> /kg/coat 2-3 coats recommended depending on surface porosity and application techniques	
<b>Average Dry Time</b>	Touch-dry in 1/2-1 hour	Based on ASTM D 1640
<b>Recoat</b>	After 2-4 hours.	
<b>Dry Film Thickness</b>	40 and 45 microns depending on application	
<b>Thinner</b>	Add up to 15% of clean water for the first coat. Add between 20% for the following coats	
<b>Adhesion</b>	1 N/mm <sup>2</sup>	Based on ASTM D4541.
<b>Scrub Resistance</b>	Higher than 10,000 cycles	Based on ASTM D2486
<b>Density</b>	1.23 g/cm <sup>3</sup>	
<b>Contrast Ratio (Dry Opacity)</b>	96.7% ±0.3 at 100 micron WFT 98.3% ±0.3 at 200 micron WFT	ASTM D2805
<b>% solids (Volume)</b>	37 %	
<b>% Solids (Weight)</b>	52 %	
<b>Viscosity Brookfield</b>	2,000-5,000 cP	Measured with Spindle 3, Speed 10
<b>Viscosity Stormer</b>	100 ± 5 KU	
<b>VOC</b>	Maximum of 30 g/L  Testing Methods Used <ul style="list-style-type: none"><li>• ASTM D6886</li><li>• EPA Method 24 (ASTM D2369)</li><li>• ASTM D3960</li><li>• UL 2821</li><li>• ISO 11890-2</li></ul>	<ul style="list-style-type: none"><li>• Compliant with GS-11 Standards, 1993</li><li>• Compliant with UL 2818 - 2013 Gold Standard</li><li>• Compliant with LEED 2009</li><li>• Compliant with LEED V4</li><li>• Compliant with EU Directive 2004/42/EC</li><li>• Compliant with SCAQMD Rule 1113, 2004</li><li>• Compliant with California Department of Public Health (CDPH) Standard Method VI.1-2010</li></ul>
<b>Bases</b>	White	
<b>Colors</b>	Available in Pure White Tintable in pastel colors	

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### CERTIFICATIONS & COMPLIANCE

#### THIS PRODUCT IS GREENGUARD GOLD CERTIFIED

The above mentioned certification determines our products compliance with the following building codes and programs amongst others:

- CHPS 2.2.2: Paints & Coatings
- LEED 2008, LEED 2009 and LEED V4
- Compliant with LIBNOR 84:1999& LIBNOR 83:1999

This product is compliant with the following standards

- Masters Paint Institute #15 – Latex exterior low sheen (gloss level 3-4)
- Masters Paint Institute #43 – Latex, Interior, Satin-like
- Masters Paint Institute #146 – Latex, Interior, Institutional LOW ODOR/VOC, (gloss level 4)
- Masters Paint Institute #315 – Latex exterior, high performance Architectural LOW sheen (gloss level 3-4)

### SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or any other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean and primed with a suitable Dimapchem primer.

New plaster or masonry surfaces must be allowed to cure (28 days) before applying base coat. Cured plaster should be hard, have a slight sheen and a maximum pH of 10. A soft, porous or powdery plaster indicates improper cure. Knife off any protrusions and prime the plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles.

**CAUTION:** Scraping or sanding surfaces of older buildings may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Always wear appropriate personal protective equipment during surface preparation and finish cleanup of any residues by water-washing all surfaces.

### PRIMER SYSTEMS

SURFACE	RECOMMENDED PRIMER
Drywall	Dimapchem Primer
Porous Masonry	Dimapchem Sealer, Dimapchem Primer
Non Porous Masonry	Dimapchem Primer, Dimapchem Undercoat
Wood	Dimapchem Undercoat
Ferrous Metal	Dimapchem Adhero
Non-Ferrous Metal	Dimapchem SX47 StopRust, Dimapchem Adhero

### APPLICATION CONDITIONS

Do not apply at temperatures below 5 °C or when rain is expected.

### APPLICATION METHOD

**Shake product vigorously until completely homogenous.**

Apply using brush, roller or airless spray.

### PACK SIZE

- 1 US Quart – 1.05 kg
- 1 US Gallon – 4.2kg

### SHELF LIFE

24 months from the date of production.

### STORAGE AND HANDLING

Care should be taken to avoid spillage. Store in a dry area. Protect from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

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### SAFETY

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you have trouble breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

### CLEANING

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with warm soapy water and rinse thoroughly. Do not empty product into drains or watercourses.

### TECHNICAL ASSISTANCE

Available through your local Dimapchem Design Center or through your Dimapchem PAINTS® authorized distributor. For the location of the retailer nearest you, email us at [Info@dimapchem.com](mailto:Info@dimapchem.com) or check our website [www.dimapchem.com](http://www.dimapchem.com).

### DISCLAIMER

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2015, Certificate LB18/234269.

The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted based on the information supplied herein.