



Description

Respisafe is a 100% Acrylic coating with formaldehyde abatement technology that purifies and improves the Indoor Air Quality (IAQ) of homes and commercial buildings by enabling the paint to eliminate up to 100% of the formaldehyde present in the air over time. **Respisafe benefits from Colortek's 5 in 1 technology.** In addition to formaldehyde abatement functionality, it has been specifically developed to provide burnish resistance, crack bridging, anti-bacterial and low VOC emissions properties.

Recommended For

Interior applications on wood, metal, plaster, wallboards, concrete, cement rendering, brickwork & block work etc.

Key Features

- Formaldehyde abatement
- Burnish resistance
- Crack bridging ability
- Easy-clean
- Anti-Bacterial
- Superior durability
- Very good hiding power and opacity
- High build

Physical Properties

Anti-Bacterial Properties	Pass	JIS Z 2801
Solvent Type	Waterborne	
Finish Type	Gloss Level 1, A Flat finish	Less than 5 units 60 degrees Less than 10 units at 85 degrees
Gloss Values	(60/85) = 4.0/8.2 - Flat 8	Based on ASTM D523
Spreading Rate	Approximately 8-10 m ² /L	Depending on surface porosity and application techniques
Average Dry Time	Touch-dry in 1/2-1 hour	Based on ASTM D 1640
Recoat	After 2-4 hours.	
Burnish Resistance	Pass	ASTM D6736-08
Formaldehyde Absorption	Up to 30 µg/m ² .h	ISO 16000-23
Crack Bridging Ability	Up to 0.5 mm	based on BS EN 1062-7:2004
Dry Film Thickness	40 and 45 microns depending on application	
Thinner	10 % clean water	
Adhesion	>1 N/mm ² 4B	Based on ASTM D4541. Based on ASTM D3359
Contrast Ratio (Dry Opacity)	95.5% ±0.3 at 100 micron WFT 98.6% ±0.3 at 200 micron WFT	ASTM D2805
Scrub Resistance	Higher than 10,000 cycles	Based on ASTM D2486
Alkali Resistance	Passes	ASTM D1308
Density	~1.47 g/cm ³	
Solids (Weight)	~60 %	
Solids (Volume)	44%	
Viscosity Stormer	100 ± 5 KU	
VOC	17 g/L	Tested under USEPA 24 Compliant with Directive 2004/42/EC & LEED V4
Bases	W0, W1, N	
Colors	Tintable in all colors	



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

This product is compliant with the following standards

- Masters Paint Institute #10– Latex Exterior Flat
- Masters Paint Institute #40 – Latex exterior, High build
- Masters Paint Institute #53 – Latex Interior, Flat
- Masters Paint Institute #143 – Latex Interior, Institutional LOW ODOR/VOC, flat (gloss level 1)
- GS 11

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 Colortek 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 clean-up of any residues by water-washing all surfaces.

Primer Systems

SURFACE	RECOMMENDED COLORTEK PRIMER
Drywall	Colortek Primer
Porous Masonry	Colortek Sealer, Colortek Primer
Non-Porous Masonry	Colortek Primer, Colortek Undercoat
Wood	Colortek Undercoat, Wood Primer
Metal	Colortek SX47 StopRust, Adhero, Adhero Quick Dry, Aquazinc

Application Conditions

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

Application Method

Stir well. Apply using brush, roller or airless spray.

Pack Size

	W0	W1	N
1 US Quart (kg)	1.2	1.21	1.15
1 US Gallon (kg)	4.82	4.85	4.6
1 US Drum (kg)	24.1		

RESPISAFE

5-IN-1 LOW VOC PAINT

WATER-BASED ARCHITECTURAL PAINTS



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.

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 COLORTEK® Design Center or through your COLORTEK PAINTS® authorized distributor. For the location of the retailer nearest you, email us at info@colortek.eu or check our website www.colortek.eu.

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.