

Product Description

ZERO VOC latex flat finish specially formulated for use on ceilings.

Conventional water-based paints contain Volatile Organic Compounds (VOCs) that contribute to air pollution. Our SICO® Ecosource® paint uses an effective 0 VOC technology (before colourant added) which ensures an outstanding product and fewer negative environmental impacts.

Advantages

- Contributes toward satisfying LEED® v4 EQ credits due to low VOC.
- Diffuses light; excellent for masking a number of imperfections.
- Ready for use and easy to apply.
- Dries quickly and has very little odour.
- Water-based product which allows tool clean-up with water.
- Product formulated without VOCs before the addition of colourants; surpasses Canadian Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations requirements.

Available Colour

851-116 White tintable.

Projects

Environment

Interior only.

Use

New and maintenance work.
 Residential and commercial sites.
 Ceilings only.

Surfaces

Properly primed surfaces: drywall and fibre boards, wood, concrete, and stucco. Surfaces in good condition previously painted with a water-based product and properly prepared.

Notes

Can be tinted to obtain pastel shades (max. 3 ounces per 3.78 litres). For ceilings requiring frequent washing or scrubbing, a glossier finish is preferable. This product is not formulated to be used on walls or floors. Some colours, or drastic colour changes, may require additional coats of paint. Not to be used as an undercoater or a primer-sealer. Do not apply directly over steel, iron or other metals. Do not mix with other paints or thinners.

Certifications*

- This product meets Green Seal™ Standard GS-11 based on effective performance, recycled packaging, and protective limits on VOCs and human toxicity.



Technical Specifications (21°C (70°F))

Appearance	
Opaque	
Gloss Level	
Flat finish	
• Gloss at 60°:	0 to 5%
• Gloss at 85°:	0 to 5%
Composition	
• Diluent:	Water
• Binder:	Polymer emulsion
Volatile Organic Compounds (VOCs)*	
According to ASTM D3960-05:	< 1 g/L
<i>*No emission is detectable by the United States Environmental Protection Agency (USEPA) Test Method 24.</i>	
The addition of colourant will introduce VOCs.	
Canadian regulation:	< 100 g/L
<i>Addition of colourant will introduce VOCs.</i>	
Viscosity*	
Ready to use	(96 ± 5 Krebs Units)
<i>Manufacturing specification, working viscosity may vary.</i>	
Density*	1.4 ± 0.1 kg/L
Solids by Volume*	35%
Solids by Weight*	54%
Flammability	Non flammable
Flash Point*	Not applicable
Spreading Rate per Coat	
3.78 L:	45 to 51 m ² (480 to 550 ft ²)
	53.3 m ² per 3.78 L at 1 mil D. F. T.
	14.1 m ² per litre at 1 mil D. F. T.
<i>Coverage figures do not include loss due to surface irregularities and porosity or material losses due to application method or mixing.</i>	
Film Thickness requirements*	
• Wet:	74 to 85 µm 2.9 to 3.4 mils
• Dry:	26 to 30 µm 1 to 1.2 mil
Drying Time*	
• Touch dry:	30 to 60 minutes
• Before recoating:	Minimum 2 to 4 hours
• Full curing:	14 days
When relative humidity is higher than 50%, double the required time.	
<i>Drying times listed may vary depending on temperature, humidity, film build, colour, and air movement.</i>	

*Technical data source: 851-116

Limited Warranty

PPG Architectural Coatings Canada, Inc. warrants performance of its products to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. Having no control over the application methods and conditions or the circumstances related to its use, no other warranty, expressed or implied, statutory or otherwise is given. This limited warranty extends only to the original purchaser of the product and is not transferable or assignable. If the product fails to conform to this limited warranty, we will, at your option, furnish replacement product or refund the purchase price. This limited warranty excludes (1) labour or costs of labour for the application or removal of any product and (2) all other direct, indirect, incidental, special or consequential damages.

Surface Preparation

Surfaces must be clean and dry. Remove loose and peeling paint, dirt, dust, mildew, oil, wax, rust and other surface contamination.

Concrete and masonry: New surfaces must age at least 28 days, be thoroughly dry and free of any efflorescence salts. Clean the concrete surfaces per ASTM Standard Practice D4258: Standard Practice for Surface Cleaning Concrete for Coating. Vacuum cleaning, water cleaning, detergent water wash, power wash cleaning, steam cleaning, hand tool and mechanical cleaning are acceptable cleaning methods. Remove the dust from the surface and prime with a latex primer-sealer.

Painted surfaces: Strip, scrape or remove all loose and peeling paint, and sand to smooth edges. Sand to smooth edges.

Eliminate stains caused by mildew with a solution of household bleach (1 part household bleach to 3 parts of water). Wear rubber gloves and eye protection. Rinse thoroughly with clear water and let dry completely.

Remove all surface contaminants by washing with an appropriate cleaner. Rinse thoroughly with water and allow drying.

Sand rough areas and dull glossy surfaces or alkyd painted surfaces to ensure adhesion. Clean up carefully sanding residue.

Repair damaged areas and spot prime or prime total surface, where necessary.

Wood: Unpainted wood or wood in poor condition should be sanded smooth and clean up carefully to remove dust. If wood exudes resin, scrape the excess and clean surface with alcohol or paint thinner prior to seal knots and sap streaks with shellac.

PRECAUTION: Dry sanding will give rise to dust and/or hazardous fumes. Wear suitable respiratory protective equipment. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to hazardous substances that may be released during surface preparation. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Contact a regional Health Canada office for more information.

Prime entire surface with the appropriate primer.

Before use, cover or mask surfaces that are not to be painted, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet.

Contact your local representative for any additional surface preparation guidelines.

Systems recommendation according to surfaces

Gypsum board, dry joint cement or stucco:

- 1 coat: *Sico Ecosource* 850-130;
- 2 coats: *Sico Ecosource* 851-116.

Concrete and masonry:

- Rough surfaces: *Sico Ecosource* block filler 675-115;
- Smooth surfaces: *Sico Ecosource* 850-130;
- 2 coats: *Sico Ecosource* 851-116.

New or bare wood:

- Bare wood (except rich in tannins wood, such as cedar or redwood): *Sico Expert* 870-177 or 890-114; some wood species, prone to staining, may require two coats. Let dry each coat for 12 to 16 hours.
- Bare wood (all): *Sico Expert* primer 880-124;
- 2 coats: *Sico Ecosource* 851-116.

Previously painted surfaces in good condition:

- Previously painted surfaces in good condition (latex): No primer is required.
- Previously painted surfaces in good condition (alkyd): *Sico Expert* primer 890-114 or 870-177.
- *Sico Ecosource* 851-116, one or two coats as required.

Recommendations

Application Conditions

Temperature: 10 to 30°C (50 to 86°F)
(ideal 20°C ± 5°C [68°F ± 9°F])
Relative humidity: Ideal between 15 and 55%,
maximum 85%.

Maintain these conditions during the application and the following 24 hours. Low temperature, high humidity, thick films or poor ventilation extend drying time.

Tools

- Paintbrush: Synthetic bristles (nylon, polyester)
- Roller: 13 mm (1/2 in.)
- *Spray (airless equipment)
 - Tip size: 0.015 to 0.021 in.;
 - Pressure: 1500 to 2000 psi.

Always use top quality application tools.

*Spray recommendations may vary from figures listed depending on equipment manufacturer.

Cleaning Tools

Remove as much product quantity as possible and clean tools with lukewarm soapy water immediately after use.

Storage and Transportation

Keep in a dry and ventilated area, between 10 and 30°C (50 and 86°F). Under such conditions, unopened containers may be stored up to 5 years from manufacturing date.

PROTECT FROM FREEZING.

Disposal

Consult your municipality in order to dispose of residues according to environmental regulations or give leftover paint to someone who could use it: a neighbour, a friend, a recreation centre or a non-profit organization. Do not pour down a drain or storm sewer.

Application

FOR PROFESSIONAL APPLICATION ONLY. NOT INTENDED OR LABELED FOR CONSUMER USE.

Do not thin. Stir thoroughly before use and occasionally during use. Pour the quantity of paint needed into another container to avoid contaminating the original paint container. Keep containers closed when not in use.

Apply the product by complying with its spreading rate, leaving no bare spots or excessively coated areas.

Provide adequate ventilation. Observe drying time between coats. Low temperatures or high humidity will affect drying time.

Applying two coats will provide better durability and appearance.

For more information, visit the website at www.sico.ca or call our customer service: 1-800-463-7426.

Safety Measures

Store locked up. Do not handle until all safety precautions have been read and understood warnings on the label and Safety Data Sheet (SDS). For workplace use, an SDS are available from your retailer, through our website or by calling 1-800-463-7426. Keep out of the reach of children. Use only in well-ventilated area. Keep containers tightly closed and sealed until ready for use. Wear personal protective equipment as required; gloves and eye or face protection. Avoid contact with skin and clothing. Avoid breathing spray or mists. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Warning: Suspected of causing cancer. Emits toxic fumes when heated.

First aid treatment: If you feel unwell or in case of proven or suspected overexposure: Consult a physician.

Emergency spill information: 1-514-645-1320 or 1-800-463-7426.

Surface Maintenance

- Wait for its full curing before washing the product or testing its adhesion: minimum 14 days depending on temperature and relative humidity (longer in conditions of high humidity or low temperature). Use a non-abrasive cleaner and a soft cloth. The use of a cleanser or a technique that is too abrasive affects the appearance of the surface.
- If required, touch up bare areas with primer and apply another coat on the whole surface.

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