

Product Description

ZERO VOC latex melamine finish specially formulated to be used on interior surfaces.

Unlike traditional latex and oil-based paints, SICO ECOSOURCE ZERO VOC paints contain no petroleum-based solvent or other organic solvents which may contribute to air pollution and paint odour.

Advantages

- Soft, smooth with subdued reflection finish.
- Excellent washability and marring-resistant.
- Easy to apply.
- Dries quickly and has very little odour.
- Excellent resistance to moisture.
- Alkali resistant.
- A water-based product which allows ease of 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.

Projects

Environment

Interior only.

Use

New and maintenance work.
Residential and commercial sites.
Kitchen, bathroom and laundry room walls.
Woodwork and doors of any room.

Surfaces

Previously painted surfaces.
Properly primed surfaces: drywal and fibre boards, wood, metal, concrete, and stucco.

Notes

A lower gloss is recommended in living rooms and master bedrooms, particularly on ceilings.

Not to be applied directly to bare ferrous metals (iron, steel).

Do not mix with other paints or thinners.

Certifications*

Meets LEED (Leadership in Energy and Environmental Design) restrictions
Green Seal approved, GS-11 (2010)

* Type MPI # 146 Latex, Interior, Institutional Low Odor/VOC, (Gloss Level Type MPI #4)

(* Type: product whose characteristics are close to the standards.)

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

Appearance

Opaque

Gloss Level

Melamine finish

- Gloss at 60°: 20 to 30%
- Gloss at 85°: 55 to 65%

Composition

- Diluent: Water
- Binder: 100% acrylic emulsion

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: < 1* g/L

* No emission is detectable by the United States Environmental Protection Agency (USEPA) Test Method 24.

The addition of colorants will introduce VOCs.

Canadian regulation: < 150 g/L

Viscosity*

Ready to use (97 ± 5 Krebs Units)

Density*

1.3 ± 0.1 kg/L

Solids by Volume*

37%

Solids by Weight*

52%

Flammability

Non flammable

Flash Point*

Not applicable

Spreading Rate per Coat

3.78 L: 48 to 58 sq. m (515 to 620 sq. ft.)

55.1 sq. m per 3.78 L at 1 mils D. F. T.

14.5 sq. m per litre at 1 mils D. F. T.

(Excluding losses caused by variations in application methods or surface porosity).

Minimal Film Thickness*

(According to the maximum spreading rate)

- Wet: 2.6 mils (66 µm)
- Dry: 1.0 mils (25 µm)

Drying Time*

- Touch dry: 30 to 60 minutes
- Dust free: 4 hours
- Before recoating: 6 hours
- Before cleaning: 14 days

When relative humidity is higher than 50%, double the required drying time.

**Technical data source: 855-620*

(Data for colour and tint bases may vary)

Surface Preparation

Surfaces must be clean, solid, dry and free from dust, dirt, oil, soot, wax, mildew, chalking, loose paint or all other contaminants. In order to prepare surfaces adequately, follow the preparation steps, as described below:

- ▶ Clean surface with Polyprep® cleaner 771-135, 771-136, or the appropriate cleaner for removing the contaminant. Rinse well.
 - Remove 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.
- ▶ Strip, scrape, or remove all loose and peeling paint and sand to smooth edges.
- ▶ Sand rough areas and dull the glossy surfaces. Eliminate sanding residues. Touch up bare spots. Precaution: Dry sanding, flame cutting and/or welding of dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used, wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.
- ▶ Repair holes and cracks with joint compound suitable for the surface to be repaired.
- ▶ If wood exudes resin, scrape the excess and clean with alcohol or paint thinner. Sand for a smooth finish. Eliminate sanding dust. Seal knots with shellac Polyprep 205-112 before applying the primer.
- ▶ Cover or mask surfaces that are not to be painted.

Systems recommendation according to surfaces

Dry plaster, drywall, concrete, stucco or masonry:

- Sico Ecosource primer-sealer 850-130 in an even coat.
- 2 coats: Sico Ecosource 855-6XX.

Concrete or masonry:

- Rough surfaces: Sico Expert 675-115 or 675-198 block filler.
- Smooth surfaces: Sico Ecosource 850-130 primer-sealers.
- 2 coats: Sico Ecosource 855-6XX.

New or bare wood:

- Bare wood (except rich in tannins wood, such as cedar or redwood): Sico Ecosource primer-sealer 850-130.
- Bare wood (all): Sico Expert 890-114 primers; some wood species, prone to staining, may require two coats.
- 2 coats: Sico Ecosource 855-6XX

Bare metal:

- New or bare ferrous metal (iron, steel): 1 coat: Sico Expert 922-060;
- Non-rusted galvanized metal, aluminium or copper: 1 coat Corrostop Ultra 635-045 or Polyprep 145-011;
- 2 coats: Sico Ecosource 855-6XX top coats.

Previously painted surfaces:

- Surfaces in good condition previously painted (latex): no primer is required.
- Surfaces in good condition previously painted (alkyd): Sico Expert 890-114 or 870-177 primer.
- Sico Ecosource 855-6XX top coats, one or two coats as required.

Application

This is a ready-to-use product, do not thin. Purchase the quantity that you need. Stir thoroughly before application. Keep containers closed when not in use.

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

Provide adequate ventilation. Observe drying time between coats. Low temperatures or high humidity will affect drying time. Applying two finishing coats will provide better durability and appearance.

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

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%.

High humidity or low temperatures extend drying time. Maintain these conditions during the application and the following 24 hours.

Tools

- Paintbrush: Synthetic bristles (nylon, polyester).
- Roller: 10 mm (3/8 in.).
- Spray* (airless equipment)
 - Tip size: 0.013 to 0.019 in.
 - Pressure: 2300 to 2700 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 water and soap immediately after use.

Surface Maintenance

- Let surfaces dry completely and wait at least 14 days before cleaning them. Use a non-abrasive cleaner and a soft cloth.
- If required, prime and touch-up bare areas, and apply one coat on the whole surface.

Storage and Transportation

Keep in a dry and ventilated area, between 10 and 30°C (50° and 86°F). AVOID FREEZING.

Disposal

Consult your municipality in order to dispose of paint residues according to environmental regulations or give leftover paint to someone who could use it: neighbours, friends, recreation centres or non-profit organizations. Do not empty into drains.

Safety Measures

Read the Material Safety Data Sheet. Avoid contact with eyes. Keep out of reach of children. Use only in ventilated areas.

FIRST AID TREATMENT: If in contact with eyes, flush thoroughly with clear water.

If swallowed, do not induce vomiting.

Call poison centre or physician immediately.