

Product Description

Paint formulated as a finishing coat with no need for a primer for free of rust interior ceilings in commercial and industrial buildings: steel (bare, galvanized or corrugated), concrete and wood.

The ceilings must be 10 feet high and more. Dry fall characteristics minimize clean-up requirements.

Advantages

- 871-140 and 871-133 can help earn LEED® (Leadership in Energy and Environmental Design) 2009 credits.
- Diffuses light; excellent for masking a number of imperfections.
- Dries quickly.
- Good hiding
- Low VOC content complies with the Canadian Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations requirements.
871-133 = 48 g/L
871-140 = 20 g/L

Available Colours

871-140	White
871-133	Base for dark colours*

*Must be tinted before use

Projects
Environment

Interior only.

Use

New and maintenance work.

Residential and commercial sites.

Interior ceilings, 10 feet high and more, free of all traces of rust or suitably primed.

Surfaces

Surfaces in good condition and properly prepared: Rust-free steel, concrete, masonry and previously painted surfaces with a water-based product.

Surfaces in good condition and properly primed: Wood, gypsum drywall, alkyd painted surfaces, etc.

Notes

Overspray residue can require more than 10 feet when the product or the air temperature is lower than 21°C (70°F) or when the air moisture is above 50%. Clean up all overspray within 4 hours after job completion.

Not recommended for use in areas exposed to chemicals and their vapour.

Not to be used as an undercoater or a primer-sealer.

Not to be used on walls, trim or floors.

Some colours, or drastic colour changes, may require additional coats of paint.

Do not mix with other paints or thinners.

Certifications*

MPI #118 Dry Fall, Latex, Flat

MPI #133 Dry Fall, Water Based, for Galvanized Steel, Flat (MPI Gloss Level 1)

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

Opaque

Gloss Level

Flat finish

- Gloss at 60°: Not available
- Gloss at 85°: 0 to 6%

Composition

- Diluent: Water
- Binder: Vinyl-acrylic polymer emulsion

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: < 25 g/L
Canadian regulation: < 400 g/L

Addition of colourant will introduce VOCs.

Viscosity*

Ready to use (104 ± 5 Krebs Units)
Manufacturing specification, working viscosity may vary.

Density* 1.6 ± 0.1 kg/L

Solids by Volume* 44%

Solids by Weight* 66%

Flammability Non flammable

Flash Point* Not applicable

Spreading Rate per Coat

3.78 L:

Flat surfaces: 12.5 to 15.5 m² (135 to 165 ft²)

Rippled surfaces: 7.5 to 9.5 m² (80 to 100 ft²)

67.2 m² per 3.78 L at 1 mil D. F. T.

17.7 m² per litre at 1 mil D. F. T.

Coverage figures do not include loss due to surface irregularities and porosity or material losses due to application method or mixing.

Film Thickness requirements*

- Wet: 247 to 302 µm
9.7 to 11.9 mils

- Dry: 110 to 134 µm
4.3 to 5.3 mil

Drying Time*

- Touch dry: 60 minutes
- Dust free: 1 to 2 hours
- Before recoating: 4 to 6 hours
- Full curing: 14 days

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

Drying times listed may vary depending on temperature, humidity, film build, colour, and air movement.

*Technical data source: 871-140

(Data for colour and tint bases may vary)

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.

- ▶ **Unpainted drywall, concrete, stucco or masonry:** New surfaces must age at least 28 days, be thoroughly dry and free of any efflorescence salts.
- ▶ **New metal surfaces:** Wash well with mineral spirits and dry with clean rags. Let dry thoroughly.
- ▶ **Painted surfaces:** Remove loose and peeling paint, by wire brushing, scraping, sanding, and/or pressure washing. 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 to dry. 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. Touch up bare spots.
- ▶ **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.

Before its application, cover or mask surfaces that are not to be painted.

PRECAUTION: Dry sanding will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. Wear suitable respiratory protective equipment when exposure cannot be avoided by adequate local ventilation. 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.

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, *Sico Expert* 870-130, 870-177 or 870-799;
- 2 coats: *Sico Expert* 871-1XX.

Concrete and masonry:

- No primer required;
- 2 coats: *Sico Expert* 871-1XX.

New or bare wood:

- Bare wood (except rich in tannins wood, such as cedar or redwood): *Sico Ecosource* 850-130, *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 Expert* 871-1XX.

Ferrous metal and rusted galvanized metal:

- No primer required;
REMARK: Over severely rusted surfaces, the application of *Sico Expert* 922-060 will provide an additional protection.
- 2 coats: *Sico Expert* 871-1XX.

Non-rusted galvanized metal, aluminum or copper:

- Treat with Corrostop Ultra 635-104;
- 2 coats: *Sico Expert* 871-1XX.

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 Expert* 871-1XX, one or two coats as required.

Recommendations

Application Conditions

Temperature: 10 to 32°C (50 to 90°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

- *Spray (airless equipment)
 - Tip size: 0.015 to 0.019 in.;
 - Pressure: minimum 2800 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 3 years from manufacturing date.

PROTECT FROM FREEZING.

Disposal

Consult your municipality in order to dispose of paint residues according to environmental regulations. Do not pour down a drain or storm sewer.

Application

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

Depending on the selected colour, the product can be applied as is or may need to be tinted before application. Bases must necessarily be tinted by adding suitable colourants. Refer to the appropriate colour formula, automatic tinting equipment, and/or computer colour-matching system for colour formulas and tinting instructions.

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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