



TECHNICAL DATA SHEET

Sico Expert 830-130

INTERIOR LATEX PRIMER-SEALER

Water-based product, white

Product Description

Latex primer-sealer for new interior surfaces. It can be applied on new gypsum boards, drywall joint compound or masonry.

Advantages

- Can help earn LEED® (Leadership in Energy and Environmental Design) 2009 credits.
- Ready for use and easy to apply.
- Dries quickly and has very little odour.
- Effectively seals and gives the finishing coats a better appearance.
- Will not raise fibres of gypsum boards.
- Can easily be sanded.
- 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

830-130 White

Projects

Environment

Interior only.

Use

New and maintenance work.

Residences, commercial buildings, apartments, schools, hospitals, stations, and garages.

Walls and ceilings of any room.

Surfaces

New surfaces: drywall boards (conventional, water repellent or fire retardant), hardened and dry drywall compound, new dry plaster, concrete, brick, stucco or other masonries.

Notes

Must be coated with a topcoat.

Do not apply directly over steel, iron or other metals.

Not formulated to be used on floors.

Avoid using zinc sulphate solutions on plaster prior to applying this primer-sealer.

Not intended for use on wood or previously painted surfaces.

Do not mix with other paints or thinners.

Certifications*

* Type MPI #50 Primer-Sealer, Latex, Interior

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

"awaiting MPI approval"

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

Appearance

Opaque

Gloss Level

Not applicable (primer)

• Gloss at 60°: Not applicable

• Gloss at 85°: Not applicable

Composition

• Diluent: Water

• Binder: Polymer emulsion

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: "0"* g/L

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

Formulated without Volatile Organic Compounds.

Canadian regulation: < 200 g/L

Addition of colourant will introduce VOCs.

Viscosity*

Ready to use (100 ± 5 Krebs Units)

Manufacturing specification, working viscosity may vary.

Density* 1.3 ± 0.1 kg/L

Solids by Volume* 31%

Solids by Weight* 48%

Flammability Non flammable

Flash Point* Not applicable

Spreading Rate per Coat

3.78 L: 32 to 42 m² (345 to 450 ft²)

46 m² per 3.78 L at 1 mil D. F. T.

12.2 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: 91 to 118 µm

3.6 to 4.6 mils

• Dry: 28 to 37 µm

1.1 to 1.4 mil

Drying Time*

• Touch dry: 30 to 60 minutes

• Dust free: 2 to 4 hours

• Before recoating: minimum 4 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: 830-130

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.

Before use, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet.

Surface Preparation

Surfaces must be clean and dry.

Remove dirt, dust, mildew, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, and other surface contamination.

Bare surfaces: Sand the grout surface and regularly remove the residue. Avoid sanding the bare gypsum.

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 all surface contaminants by washing with an appropriate cleaner. Rinse thoroughly with water and allow to dry.

Clean up carefully sanding residue.

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.

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 Expert* "0 VOC" latex primer-sealer 830-130;
- 2 coats: *Sico Expert* "0 VOC" latex interior top coats.

Concrete and masonry:

- 1 coat: *Sico Expert* "0 VOC" latex primer-sealer 830-130;
- 2 coats: *Sico Expert* "0 VOC" latex interior top coats.

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: 10 mm (3/8 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 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.

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.

Apply the topcoat; two coats for 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

Must be overcoated with finishing paint.

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