

**54600**

Machine Applied Coatings

GENERAL DESCRIPTION

SEAL GRIP MC is designed as an air-dry or force-dry exterior coating for priming new wood, including redwood, cedar, and approved manufactured wood products. *SEAL GRIP MC* is to be applied only by Professional Authorized Machine Applicators using approved machine application methods and equipment.

APPROVED SUBSTRATES

Wood
Wood composites

GENERAL SURFACE PREPARATION

Proper surface preparation is essential. Surfaces must be free of dust, sawdust, moisture, oil, grease, mildew, and other contaminants. Substrates should be checked for moisture content. At the time of the application, wood to be coated must have a moisture content of less than 19%. Priming "green" wood with a moisture content of greater than 19% will increase dry-time, inhibit adhesion, and promote extractive bleeding and blistering.

LIMITATIONS OF USE

For use by Professional Factory Finishers only. This product is designed for application only by professional, trained personnel using proper equipment under controlled conditions and are not intended for sale to the general public. Apply only when air and substrate surface are above 10°C (50°F) and at least 3°C (5°F) above the dew point, and primer temperature is above 15°C (60°F).

SEAL GRIP MC requires either slip sheet, a secondary primer – typically MachinePure Prime 54621, or a finish coat – typically MachineCoat Finish, in order to stack and ship. The *SEAL GRIP MC* primer will block if stacked under any other conditions for shipment.

Radiant Infra-Red heat or hot air convection ovens may be used to force dry this product. Care must be taken to avoid overheating so that blisters in the film do not form. If blistering occurs, premature failure of the finish may occur.

At the time of the application, wood to be coated must have a moisture content of less than 19%.

Primed substrates used for exterior application must be topcoated within 60 days after installation.

PROTECT FROM FREEZING.

PACKAGING

18.9 L

SEAL GRIP® MC Exterior Latex Wood Primer

PRODUCT AND TINTING INFORMATION

54600 White

Do not tint.

PRODUCT DATA

PRODUCT TYPE:	Acrylic Latex
VOLUME SOLIDS:	39% ± 2%
WEIGHT SOLIDS:	54% ± 2%
VOC:	< 100 g/L
DENSITY:	1.3 kg/L

*Product data calculated on 54600.

COVERAGE: From 27.9 - 30.2 m² (300 - 325 ft²) per 3.78 litres.

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

Theoretical Wet Film Thickness per Coat**:	4.9 - 5.4 mils 125 - 137 microns
Required Dry Film Thickness per Coat:	1.9 - 2.1 mils 48 - 53 microns

**Additional wet film may be necessary in order to achieve the required dry film thickness.

Viscosity (Stormer @ 25°C): 65 - 72 Krebs***
***Manufacturing specification, working viscosity may vary

DRYING TIME: A minimum of 8 hours at 21°C (70°F) and 50% humidity is recommended for air drying. Allow boards prone to extractive bleeding to air dry at least 16 hours for best results. Drying times listed may vary depending on temperature, humidity, colour, and air movement. Under suitable conditions the product may be forced dried.

Caution on force drying by infrared or convection air ovens. Keep board temperature of woods prone to extractive bleeding such as redwood and cedar below 60°C (140°F). Temperatures over 60°C (140°F) can promote excessive bleeding and require additional primer coats before topcoating. Care must be taken to avoid overheating so that blisters do not form in the primer film. If blistering occurs, premature failure of the finish can occur.

CLEANUP: Remove as much product quantity as possible and clean equipment with lukewarm soapy water, high-pressure water jet, or steam cleaner immediately after use.

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

FLASH POINT: Over 93°C (200°F)

SEAL GRIP MC Exterior Latex Wood Primer**APPLICATION INFORMATION**

Mixing: Mix thoroughly before use. Mixing blades should be 1/3 the diameter of the paint vessel. The mixing blade should be at least 10 cm (4 in.) from the bottom of the vessel. The goal is to generate axial flow – or a rolling doughnut effect. Simple circular primer flow within a vessel will not generate a well-mixed product. Poor mixing can cause colour change within a primer run as well as varying degrees of primer hiding and performance.

Application Equipment: SEAL GRIP MC is formulated to be applied by Authorized Machine Operators and should be applied using approved equipment under specific conditions. Contact your PPG Technical Service Department for application guidelines and assistance.

Thinning: Thinning is not recommended.

General Application Requirements

Substrate and air temperature must be above 10°C (50°F). Paint temperature must be at least 15°C (60°F). Paint must be mixed thoroughly – see mixing instructions.

Apply 6 - 7 mils (152 - 178 microns) wet – depending on application equipment. Dry mils required 1.9 - 2.1 (48 - 53 microns).

*Wet mils applied must result in dry mils required.

**Theoretical Wet Film Thickness per Coat is 4.9 - 5.4 mils (124 - 137 microns).

A one coat system may be applied in two passes by flood or brush coater, spray, or vacuum coater. Product may be air dried or force cured by convection oven or convection oven with IR assist (BST 49 - 65°C (120 - 150°F)). Cool to less than 38°C (100°F) before slip sheet and stacking.

Additional Specific Application Conditions

In all applications, the measurement of the wet mils applied may be affected by the application equipment. A minimum dry film build of 1.9 mils (48 microns) is required for a warranty. Temperature and humidity conditions require adjustments to be made to application parameters. These conditions are suggested guidelines, please contact your PPG Technical Service Department for additional assistance and to conduct a review and audit of specific line parameters. Additional wet film may be necessary in order to achieve the required dry film thickness.

Brush Coater

One Coat Application/One Pass: Apply 6 - 7 mils (152 - 178 microns) wet; flash a minimum of 30 seconds to 1 minute; oven setting of 63 - 93°C (145 - 200°F) to achieve a BST of 49 - 65°C (120 - 150°F). Time in oven 4 to 8 minutes depending on oven temperature. Cool down 3 to 4 minutes to achieve a stacking temperature of less than 38°C (100°F).

One Coat Application/Two Passes: Apply 3.0 - 3.5 mils (76 - 89 microns) wet; flash a minimum of 30 seconds to 1 minute; oven setting of 63 - 93°C (145 - 200°F) to achieve a BST of 49 - 65°C (120 - 150°F). Time in oven 2.5 to 3.5 minutes depending on oven temperature. Cool down 20 to 30 seconds; apply second pass of 3.0 - 3.5 mils (76 - 89 microns) wet; oven cure at 63 - 93°C (145 - 200 °F) for a minimum of 4 minutes to achieve a BST of 49 - 65°C (120 - 150°F). Cool down 3 to 4 minutes to achieve a stacking temperature of less than 38°C (100°F).

Spray Coater

Spray tip recommendation: 0.017 or 0.019 spray tips – evaluate spray pattern before coating to verify that fan width is appropriate and no fingering is visible.

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Vacuum Coater*

The vacuum pressure pulled will be dependent on the vacuum system in use. The operator will need to work with the PPG Technical Service Department to determine the appropriate settings.

One Coat Application/One Pass: Apply 6 - 7 mils (152 - 178 microns) wet; flash a minimum of 30 seconds to 1 minute; oven setting of 63 - 93°C (145 - 200°F) to achieve a BST of 49 - 65°C (120 - 150°F). Time in oven 4 to 8 minutes depending on oven temperature. Cool down 3 to 4 minutes to achieve a stacking temperature of less than 38°C (100°F).

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*IR Ovens may be used in conjunction with the vacuum coater application.

Work with the PPG Technical Service Department for assistance in establishing force cure parameters.

SEAL GRIP MC Exterior Latex Wood Primer

PRECAUTIONS

DANGER! May cause cancer. Sanding and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear appropriate protective gloves. Wear eye or face protection. Wear protective clothing. Emits toxic fumes when heated. Use only with adequate ventilation.

Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information.

FIRST AID: Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Do not induce vomiting. Check for and remove any contact lenses. If in eyes, rinse with water for 15 minutes. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Do not use solvents or thinners. If inhaled, remove to fresh air. Keep person warm and at rest. Never give anything by mouth to an unconscious person. If medical advice is needed: Have product container or label at hand. KEEP OUT OF THE REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. SEE SAFETY DATA SHEET FOR THIS PRODUCT. For workplace use, an SDS is available from your retailer or by calling 1-866-660-2220. EMERGENCY SPILL INFORMATION: 1-514-645-1320 or 1-866-660-2220.

PPG Architectural Finishes, Inc. believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-866-660-2220.

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