

Product name Innoseal, Anti coffee stain primer

File number 397-80X

PRODUCT FAMILY Exterior primer for wood products

DESCRIPTION Waterborne stain blocking primer.

INTENDED USES Primer formulated to block tannin present in some wood species. Very effective to prevent coffee stain and the extracts contained in different species of wood. This primer is also very effective to prevent extractive bleeding in red cedar. This primer does not block bleeding of uncrystallised resins.

The primer must be coated with finish coat before to be exposed to exterior conditions. Do not let the primer unfinished more than 3 months.

PRactical INFORMATION

Color Green 803, light grey: 608 available in other colors on request.

Gloss level Flat

Volume solids 36%

Film thickness Apply a wet film of 6 mils to obtain a dry film (dft) of 2 mils dry.

Viscosity 88-92 Kres units

Theoretical coverage 560 sq.ft/gal. for a dry film thickness of 1 mil.

Practical coverage Consider the appropriate loss factor in accordance with the application equipment and technique.

Drying time (75°F 50% relative humidity)

Dry to touch
30 Minutes

Dry to handle
60 Minutes

Hard Dry
72 Hours

Overcoating interval with recommended topcoats

Minimum: 2 Hours

Maximum: N/A

PRODUCT CHARACTERISTICS

397-803 has an excellent adhesion on wood surface (5A, ASTM D3359) and a good water resistance. For a maximal performance it is recommended to apply one coat enough thick to obtain a dft of 2 mils. Some applications may require a dft of 4 mils. Depending of the shop conditions a waiting time of 15 to 30 minutes is needed between coats.

In liquid state, 397-803 is incompatible with others types of paint. Before to apply the finish coats, the primer must be dry enough to avoid migration of primer in top coat.

It is possible to accelerate the drying time with convection oven or infrared system. However the augmentation of temperature may causes resins bleeding through the coating. It is difficult to determine a precise drying schedule for a general application; for each situation a specific drying schedule must be determined. As a general rule, a lower temperature and a longer time is the good way to bake paint when applied over resinous substrates. Consult Laurentide Industrial technical services.

SYSTEM'S COMPATIBILITY

Compatible with topcoats recommended by Laurentide such as Uraqua SI and Uralux. May be recoated with a good quality 100% acrylic paint.

Be sure that the primer is dry before apply the finish coats.

REGULATORY DATA

Flash Point none

Product weight 1 litre = 1.28 kg

VOC 124 g/l

APPLICATION DATA

Mixing and Ratio N/A

Pot life N/A

Airless spray Recommended Tip 0.011"à 0.013". Liquide pressure between 1500 psi and 2000 psi. For an air assisted airless system, drop the pressure between 400 psi and 600 psi with a pressure of 15 psi to 30 psi at air cap. For Airmix gun from Kremlin, use a tip 06 to 09. Apply at a temperature between 10 and 30 degrees Celsius.

Air spray Recommended Tip 0.070" or 1.8 mm. Feed pressure 5 to 15 psi. Pressure at the gun between 30 psi and 40 psi Apply at a temperature between 15 and 30 degrees Celsius.

Electrostatic application Recommended Possible, consult Laurentide's technical services

Other equipment It is possible to use a brush for small areas. The product can be adjusted for application by brush coater or by vacuum coater. Apply at a temperature between 15 and 30 degrees Celsius.

Thinner Dilution is not recommended.

Instructions for shutdowns or longer stops Avoid to let the product without circulation for a period greater than 30 minutes. See cleaning procedures.

Cleaner Water. Hot or warm water gives best results.

Clean up Right after the application is done, flush the system with clean water. Take a special care to filters, tips and air caps.

SURFACE PREPARATION

The surfaces must be clean and dry, free from oil grease and others contaminants. If needed remove resin pockets.

Sand surfaces to be coated by hand or with an orbital sander. Use a 180 grit paper.

The level of humidity in wood must be between 10% and 16%.

The temperature of the substrate must be at least at 15 deg.C.

On resinous species, the kiln-drying process must allow the resin fixation (crystallization) in order to avoid problems associated with resin bleeding.

ADDITIONAL INFORMATION

This product is dedicated for an industrial use. Any activity related to the application of this product and waste disposition must be made in accordance with the national rules and regulations in regards to health, safety and environment.

SAFETY PRECAUTIONS

Please, read carefully the Material Safety Data Sheet provided by Société Laurentide Inc. before using this product.

STORAGE

Keep from freezing. Store this product at a temperature between 15 and 30 celsius degrees. Avoid exposition to direct sun, keep away from heat sources.

Always keep container closed.

DISCLAIMER

The above specifications are provided by Société Laurentide Inc. for information purposes only and in no way constitute a representation, promise, or guarantee regarding product use, life cycle or quality. The product identified above must be used in strict conformance with the instructions referred to as well as any other instructions guidelines, or warnings issued by Société Laurentide Inc. Société Laurentide's liability is limited to reimbursement of purchase of a defective product.
