

Product name Innoseal UV

File number 370-007

PRODUCT FAMILY

Wood sealer

DESCRIPTION

UV curing wood sealer and stain blocker

INTENDED USES

Innoseal UV is formulated to block extractibles from resinous species. In industrial applications, it is mainly used to block extractibles and mildew stains from white pine.

For outdoor use, the humidity content of the wood must be between 11% and 16%.

PRATICAL INFORMATION

Color Whitish

Gloss level 70% at 60 degrees

Volume solids 100%

Film thickness Dry film thickness 1,0 to 2,0 mils (25µ to 50µ)

Viscosity According to the process.

Theoretical coverage 1604 sq. feet/3,78 l

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
N/A

Dry to handle
N/A

Hard Dry
N/A

Overcoating interval with recommended topcoats

Minimum: N/A

Maximum: N/A

PRODUCT CHARACTERISTICS

Innoseal UV dries only when it is exposed to UV rays. Because of the light coloration of Innoseal UV it is highly recommended to use two types of lamps, the first lamp is a Gallium lamp and the second is a Mercury lamp. The power of the lamps should be between 640 and 650 mj/square cm. Never let Innoseal UV exposed to the light. Keep away from natural and artificial sources of light.

The quality of wood and the humidity level contained in wood may affect the performance of the coating system.

For an outdoor exposure Innoseal UV must be coated with the primer 397-660. Any other type of primer or paint must be approved by Laurentide.

When used in normal conditions, Innoseal UV is very effective to block extractibles from heart wood, blue stain and black stain caused by mildew and pitch bleeding. To obtain a greater resistance to pitch bleeding, it is possible to catalyze Innoseal UV with an isocyanate 339-077 (20:1)(see Laurentide Industrial technical services).

SYSTEM'S COMPATIBILITY

When Innoseal is coated with the primer 397-660 its is possible to apply a good quality waterborne acrylic for top coat.

REGULATORY DATA

Flash Point n/a

Product weight 1 litre = 1.187 kg

VOC 0 g/l

APPLICATION DATA	Mixing and Ratio	If an isocyanate is used, maximum 5%/volume.
	Pot life	12 Hours
	Airless spray	Not-recommended
	Air spray	Not-recommended
	Electrostatic application	Not-recommended
	Other equipment	Vacuum coater, roller coater, automated guns, brush and roller for small surfaces.
	Thinner	Never dilute.
	Instructions for shutdowns or longer stops	N/A
	Cleaner	Acetone
	Clean up	Wash all components with pur acetone.
SURFACE PREPARATION	Surfaces must be dry and clean free from any contaminant that could compromise adhesion of Innoseal UV. The temperature of the surfaces must not be lower than 50 deg.F (10 deg.C).	
	The surfaces must be uniformly sanded with a grit between 100 and 150. Be sure there is no shinny spot caused by mill glaze.	
	The parts must be dusted before the application of Innoseal UV. It is highly recommended to use a vacuum to remove dust.	
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. All product who cure by uv rays contain some components who may be harmful if they are misused.	
	Always wear good quality protection equipment, gloves, glass, shoes, and watertight clothes.	
	In case of contact with the skin, never use solvent to wash the skin. Use plenty of warm water with soap.	
	If you use an isocyanate as a catalyst, be sure to wear an approved respiratory equipment.	
STORAGE	Keep closed container in a dry and cool place away from sun and heat sources. Keep away from freeze.	
	Clean rapidly spills and splashes.	
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.	
LAST UPDATE	2017-07-17	