



Chemcraft International Inc.

Product Information

Optiseal 900 H/S - 431-1909

PRODUCT DESCRIPTION

Optiseal 900 H/S is a one-component, pre-catalyzed sealer designed for all types of woods for interior use. It has a rapid dry and sands easily to a smooth finish.

SPECIFICATION VALUES

Gloss:	Not Applicable
Flash Point:	10°C (50°F)
Specific Gravity:	0.94
Weight per Gallon:	7.79
Solids by Weight:	28.1%
Solids by Volume:	19.5%
Fire Hazard Class:	3
Health Hazard Class:	2
Viscosity at 25°C (77°F):	23 sec Zahn #2
VOC:	643 g/l (5.37 lb/gal)
Lbs. VOC/Gallon:	4.29
Lbs. VOC/Lbs. Solids:	1.97
Lbs. VHAPs/Lbs. Solids:	0.15

FEATURES

Optiseal 900 H/S is a one component sanding sealer for use under any of Chemcraft's pre-catalyzed systems.

This product dries rapidly, powders very well, and seals the substrate preparing it for the appropriate topcoat.

Optiseal 900 H/S must not be polluted with oil, varnish or the like and must not be sanded with steel wool between the coats. Optiseal 900 H/S must not be used nor dried at temperatures below 18°C (64°F). or relative air humidity above 65%. During hardening, the sealer must not be exposed to ammonia vapors.

Ammonia cleaners should not be used for cleaning the finished surface.

SPECIFICATION INFORMATION

Shelf Life: 6 months recommended if unopened and stored between 15°C and 25°C (59°F – 77°F). Always rotate stock.

Pot Life: N/A

Coverage: 315 sq. ft./gal.

Mixing Ratio: N/A

Reduction: Use Reducer 803-1325 as required.

DIRECTIONS FOR USE

Surface Preparation: Wood substrate should be sanded with 120, 150 or 180 grit paper prior to staining or coating. Stain systems under acid containing coatings should be acid stable. Chemcraft recommends using 825-70XX wiping stains or 891-73XX NGR stains.

Directions for use: Agitate material thoroughly before use. Optiseal 900 H/S must be agitated thoroughly at all times to ensure product consistency.

Apply one or two coats at 2-5 mils wet and allow 30-45 minutes dry at 68° F. prior to sanding and applying next coating. Sand with 280/320 grit paper before topcoating or recoating and ensure next coat is applied within eight hours of sanding Optiseal 900 H/S 431-1909.

431-1909 may be topcoated with precatalyzed topcoats such as 431-80XX and 431-24XX. 431-1909 has a limited shelf life and should be used within six months.

Maximum film build of 431-1909 is not to exceed 2 mils dry.

The customer is responsible for following the recommended application procedures. Failure to adhere to the recommendations given in this Technical Data Sheet will likely result in unsatisfactory film appearance or film failure.

The completed coating system should be checked for required properties prior to start-up of production.

APPLICATION

Method of Application:	Viscosity	Wet Film	Dry Film
Spray - Conventional	Z #2/18-24"	2 – 5 mils	0.4-1.0 mils
- Airless	Z #2 18-24"	2 – 5 mils	0.4-1.0 mils
- HVLP	Z #2 17-20"	2 – 5 mils	0.4-1.0 mils

All measurements recommended are based on results at temperatures of 20°C (68°F).

Drying Times:

At 20°C (68°F)	(Minimum Required)	At 50°C (122°F)	(Minimum Required)
Tack Free:	10-15 mins.	Tack Free:	Flash off before entering oven
Dry to Sand:	30-45 mins.	Dry to Sand:	15-20 mins
Dry to Stack:	1-2 hours	Dry to Stack:	20-30 mins

Note: Temperatures are based on actual board temperature. This may vary depending on length of time for boards to reach these temperatures.

Clean-Up: Use 803-1298