

# Product Information

## 620-XXX D-Dur Finish Clear

### PRODUCT DESCRIPTION

620-114	Gloss
620-106	Semi-Gloss
620-111	Matte
620-117	Low Gloss

D-Dur is a two component polyurethane with very good wetting properties. This finish is recommended for wooden surfaces where good outdoor durability is desired (i.e. window frames, doors, wooden garden furniture).

### SPECIFICATION VALUES

Flash Point:	-1 deg. C
Specific Gravity:	0.98
Solids Content:	35.3% by weight
Fire Hazard Class:	3
Health Hazard Class:	2
Viscosity:	21 sec Zahn#2 at 25 deg C

### FEATURES

The hardener, 999-062, is an isocyanate type product. Please read the MSDS carefully on how to handle the product before beginning to use it.

### SPECIFICATION INFORMATION

**Hardener Mixing Ratio:** Ready to use after mixing with hardener: 4 parts 620-XXX : 1 part 999-062 by volume.

**Reduction:** 800-5302, 800-5301, or 800-5328 may be used. When applied during warm temperatures and high humidity (>65%), 5-10% 800-5328 may be used to avoid film imperfections.

**Shelf Life:** One year recommended if unopened and stored under cool, dry conditions. Always rotate stock.

**Pot Life:** Approximately four hours depending upon conditions. Pot life is decreased when product is hot or under pressure. Viscosity should be monitored after mixing with hardener.

**Coverage:** Mixture will cover 7.5-9 sq. m/L at 100% transfer efficiency. Coverage will vary depending on method of application and coating thickness.

## DIRECTIONS FOR USE

**Surface Preparation:** Wood substrate should be sanded with 120, 150, or 180 grit paper prior to staining or coating. Primer should be well sanded using 240, 320, or 360 grit steared paper.

**Directions for Use:** Mix the desired amount of material and apply 4-5 mils wet. The relative humidity in the application and drying rooms should never exceed 75%. Viscosity on the catalyzed material should be monitored regularly to maintain a consistent appearance. Mixed product will contain 999-062, an isocyanate base co-reactant. Please follow all precautions associated with handling and use of these materials. Total recommended film thickness of D-Dur system is not to exceed 6 mils dry. The customer is responsible for following the recommended 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

**Application:** Recommended

<u>Method</u>	<u>Viscosity</u>	<u>Wet Film</u>	<u>Dry Film</u>
Spray-Conventional	18-25",Z#2	4-5 mils	1.5-2.0 mils
Airless	18-25",Z#2	4-5 mils	1.5-2.0 mils
HVLP	18-25",Z#2	4-5 mils	1.5-2.0 mils

Note: All measurements recommended are based on results at temperatures of 20 deg. C.

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

<u>At 20 deg. C</u>	<u>(Minimum Required)</u>
Dust Dry:	20-30 minutes
Dry to Handle:	Approximately 4 hours
Dry to Stack:	Overnight (Complete curing is obtained after 7 days air dry.)

**Clean-up:** Use 803-1298 thinner. Do not mix with this product. Where the thinner and product may blend, use 800-5302.

Chemcraft International Inc. views safety as a top priority. Please refer to Material Safety Data Sheet for information on the safe use of this product.

Revised:

Values shown are calculated estimates and should not be construed as product specifications. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and users assume all responsibility and liability for loss or damage arising from the use of our products whether used alone or a combination with other products. Use of unapproved or reclaimed solvent blends may reduce film properties and is not recommended.