

# TECHNICAL INFORMATION

## CLEAR CRYSTAL FINISH



518-11795-902

### DESCRIPTION

Clear Crystal Finish is a solvent-based, moisture-cure, single part wood finish formulated from polyurethane resins. It provides a high-gloss finish, excellent transparency, good hardness and great resistance to household chemicals.

### USE

Product for professional use, specifically made for the furniture industry. Apply it on wood or wood-particle board furniture for indoor environments.

**Structure** Any wooden structure

**Exterior/Interior** Indoor

**Surface** MDF, wood, Plywood

**Product line** Professional/industrial Line

### CHARACTERISTICS

#### SPECIAL PROPERTIES

**Solvent-Base**

**Finish**

**Single part**

**Industrial use**

**High Gloss**

### PHYSICAL PROPERTY

### DATA

Volume Solids (%)	34 - 36
Weight solids (%)	40 - 42
Weight per Gallon (kg/gal)	3.75 - 3.85
Theoretical Yield (m <sup>2</sup> /Gallon)	52 - 54
Zahn Cup #2 (s)	13 - 15
Specular gloss @ 60° (GU)	90 - 100

Definition of theoretical yield: Maximum surface that a paint can cover under ideal conditions. Practical performance varies depending on type of surface, used tool, applicator experience and other factors. 1 mil = 0.0254 mm.

### PRESENTATION

#### AVAILABLE PRESENTATIONS

¼ gallon can (0.946 Lt.)

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.

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1 gallon can (3.785 Lt.)

### SURFACE PREPARATION

CONDITION	INSTRUCTION
Wood moisture	Moisture content should not be over 16%.
Restore imperfections in wood, plywood or MDF	To repair small details, use water based Wood Putty 518-00800 in the desired shade (Mahogany 418, Pine 424 or Teak 420).
Primer 11510	Surface should be properly sealed with its indicated primer.

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A : 518-11795-902 CRISTAL FINISH TRANSPARENT	100%	Before use, mix thoroughly and then add diluent.
Diluent : 510-00465-900 DURO SUR FINISH DILUENT	15-20%	

Note: Use the recommended diluent to achieve an adequate product performance. In higher temperatures, you may need to increase diluent's proportion.

### PRODUCT APPLICATION

#### IT CAN BE APPLIED WITH

Spray gun (gravity or suction feed)

#### Gravity gun application

Nozzle size	1.3 - 1.4mm
Pressure	30 - 35psi

#### Suction gun application

Nozzle size	1.5 - 1.7mm
Pressure	30 - 35 psi

#### Application conditions

Do not paint very hot surfaces or directly exposed to the sun, the paint will evaporate very fast and that

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will hurt its adherence and duration.

Do not apply when relative humidity exceeds 85%, under rain or with certain threat that it will rain in a short time, because it would alter some characteristics of the application or the performance of the product

Application must be done in a well ventilated area.

### Number of layers and thickness

Number of Coats	1 - 2 thin layers, NOT much loaded
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### Drying times

Tack-Free time	10 - 15 minutes
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Drying time between coats	20 - 30 minutes
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Dry to handle	4 - 5 hours
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Total drying time	72 hours after the last layer
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Drying times listed are under ideal conditions (Between 22-28°C temperature and 50 - 80% relative humidity). These times are dependent on temperature, moisture, film thickness and dilution.

### OBSERVATIONS

- ✓ If you need more information, one of our technicians will assist you. Call 800-SUR-2000 or email us at [customerservice@gruposur.com](mailto:customerservice@gruposur.com)
- ✓ Keep container tightly closed in a ventilated place, between 20 and 30 °C, out of reach of children.
- ✓ This product reacts with moisture, therefore the container must remain tightly closed for product preservation
- ✓ Keep container tightly closed in a ventilated place, between 20 and 30 °C, out of reach of children.

### HEALTH

- ✓ Do not use this product near ignition sources, as sparks or high temperature equipment. Avoid skin contact and do not inhale its vapors. Apply in a well-ventilated area and DO NOT smoke while using this product.
- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR Color paint store or our industrial compound in La Uruca, San Jose.
- ✓ This product is for professional/industrial use only and must be applied by trained personnel, using the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

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