



product  
information

**2000 SERIES  
LACQUER**

Cardinal's 2000 series is a modified nitrocellulose lacquer coating designed for fast drying and quick packaging. It can be used on unprimed cold rolled steel and other primed metal substrates. It also has been used very successfully on a variety of plastics such as high impact styrene, vinyl acrylic, A.B.S. and many others. When coating some plastics, a specially formulated solvent blend may be necessary.

**TYPICAL USES:**

- Business machines
- Decorative metal
- Over high solid polyurethane
- Over industrial waterbase enamels
- Over powder coatings
- Marking and identification
- Selected plastics

**BENEFITS:**

- Fast dry
- Low VOC content
- Easy to apply
- RoHS / WEEE Compliant

**CURED FILM PROPERTIES:**

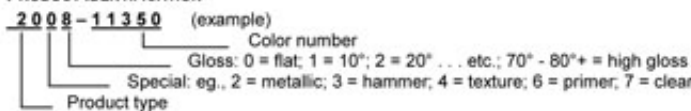
Unless otherwise indicated, testing conducted on 2008-10 gloss white at 1.5 mils DFT (Dry Film Thickness) over 20 gauge Bonderite 1000 test panel, cured 7 days air dried in ambient room temperature (78 F)

TEST	METHOD	PARAMETERS	RESULT
Adhesion	ASTM D3359	Cross-hatch tape	0% loss
Impact	ASTM D2794	Direct	20 in. lbs
Hardness	ASTM D3363	Pencil	H
Solvent Resistance	ASTM D4752	IPA 100 rubs	No effect

**TROUBLE SHOOTING:**

PROBLEM	CAUSE	REMEDY
Bubbles and blisters	Gas entrapment	Add 1 oz/gal SB-09.
Paint spatter	Spray tip obstructed	Clean fluid and air cap with lacquer thinner.
Runs and sags	Paint too wet	Spray further away from part while applying. Speed up rate of application.
Dry spray	Paint too dry	Spray closer to part while applying. Slow down rate of application.

**PRODUCT IDENTIFICATION**



**FOR INDUSTRIAL USE ONLY  
NOT FOR RESIDENTIAL USE**

**TYPE:** Nitrocellulose lacquer

**COMPONENTS:** One

**COLORS:** Full color range and metallics.

**GLOSS:** High, semi and flat.

**COVERAGE:** 375 sq ft per gallon at DFT 1.0 mil. @ 100% TE

**VOC CONTENT: (AS SUPPLIED)**

618 GRAMS/LITER (5.15 LBS/GAL)

**VOLUME SOLIDS:** 23% -25%

**FLASH POINT:** 24°F TCC

**SHELF LIFE:** 6 months from date of manufacture.

**APPLICATION:**

Thoroughly mix the paint prior to reducing. Apply a uniform coating to the specified substrate. Brushing, rolling and dipping are not recommended. See Surface Preparation and Priming section for further instructions.

**RECOMMENDED FILM THICKNESS:** 1.0 – 1.5 mils

**CURE:**

Air Dry

Tack free 10 min.  
Dry to handle 30 min.  
Dry hard 2 hrs.  
(At 1.5 mils dry film thickness, 78° F, 50% RH)

**CLEAN-UP:** Clean up should be done as soon as possible. The drier the paint, the more resistant it is to clean up. Air quality regulations may limit allowable emissions from cleaning operations.

**PRODUCT LIMITATIONS:**

- Not intended for exterior applications.
- For industrial use only.

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NO WARRANTY EXPRESSED OR IMPLIED, ACCEPTABILITY TO BE DETERMINED BY USER. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

**Safety:** Contains organic solvents. Use with adequate ventilation - do not breath vapors or spray mists. If component TLVs are exceeded, a NIOSH approved air supplied respirator is advised. See MSDS for TLV information.  
 Allergic reactions are possible. Avoid use by persons with respiratory problems.  
 Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

**FIRST AID:**

*Eye contact,* flush immediately with plenty of water for at least 15 min. and get medical attention.  
*Skin contact,* wash thoroughly with soap and water for 5 minutes.  
*If swallowed,* do not induce vomiting and get medical attention immediately.  
*Inhalation,* remove to fresh air.

**RELATED PRODUCTS:**

PRODUCT NO.	DESCRIPTION
SB-09	Medium Reducer

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B12TL

IMPORTANT: Warranty and Disclaimer — The performance characteristics of these products vary according to product application, operating conditions, materials applied to or with and use. Since these factors can affect results, we strongly recommend that you make your own test to determine to your satisfaction whether the product is of acceptable quality, has not been affected by storage or transport and is suitable for your particular purpose under your own operation conditions prior to using any product in full scale production. Seller warrants the products to be free from defects in materials and workmanship. SUCH WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. No representative of ours has authority to waive or change this provision, which applies to all sales of these products.

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