



Product Data Sheet

Polyurethane Hardener – J1100

Product Description

An aliphatic polyisocyanate to be mixed with various alkyds to increase the gloss, hardness and chemical resistance and to accelerate their drying, curing and chemical cross-linking.

Where to Use

This product may be used for applications where light exposure to acids, alkalis, salt, most solvents and water is evident.

Product Characteristics

Color Clear Amber

Gloss Gloss

Architectural and Industrial Maintenance Category Not intended for residential use; Shop use only

<u>Drying Time</u>	<u>Temperature</u>	<u>To Touch</u>	<u>To Recoat</u>
	75°F / 55% R.H.	10 Minutes	20-30 Minutes

Preparation & Priming

Surface Preparation Follow the surface preparations of the coating to which J1100 is being added.

Primer Coats After mixing J1100 with the appropriate alkyd and properly preparing the surface it may be used as a finish coat over alkyd primers, acrylics, polyamide epoxies, urethanes, vinyls and direct to substrate. Suitable over inorganic zinc primers provided a compatible intermediate coat, such as Anchor Hi-Build Epoxy, is used first.

Mixing & Application

Mixing Thoroughly mix 8 parts paint portion with one part J1100 hardener, by volume.

Limitations The addition of more converter than recommended may shorten pot life and cause coating to become excessively brittle. Not recommended for submersion or for exposures where temperatures exceed more than 275°F continuously.

Recommended Thickness Follow the recommendations of the coating to which J1100 is being added.

Pot Life 8 hours

Application Considerations Follow the recommendations of the coating to which J1100 is being added.

Technical Information

Solids by Volume 80.00%

Actual VOC 3.06 lb/gal (367 g/l)

Density 8.75 lb/gal (1138 g/l)

Packaging 1 Gallon cans, and pint (1/8 gallon) cans

Clean-up & Storage

Cleanup Use Anchor #J1131 or #J1112

Storage Temperature Minimum 32°F Maximum 122°F
J1100 Polyurethane Hardener should be tightly sealed and stored where it is protected from heat, moisture, and foreign materials. Recommended storage temperatures are 50-80°F. Temperatures above this may cause material to polymerize or container to burst. It is recommended that the contents be used as soon as possible after opening as contamination may cause material to solidify.

Moisture Sensitivity This product is moisture sensitive. To avoid contamination with atmospheric moisture keep container closed until ready for use.

Shelf Life Under Normal Conditions (Unopened) – Two Years

Safety & Important Information

DANGER! VAPOR AND SPRAY MIST HARMFUL. OVEREXPOSURE MAY CAUSE LUNG DAMAGE. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION, EFFECTS MAY BE PERMANENT. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. FLAMMABLE LIQUID AND VAPOR. CONTAINS: ALIPHATIC DIISOCYANATES AND PETROLEUM DISTILLATES. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST. Do not breathe vapor or spray mist. Wear an appropriate, properly fitted respirator (NIOSH approved) during application unless air monitoring demonstrates vapor/mist levels are below applicable limits. An airline respirator (NIOSH approved) is recommended. A vapor/particulate respirator (NIOSH approved) may be appropriate where airborne monitoring demonstrates vapor levels below ten times the applicable exposure limits. Follow respirator manufacturer's directions for respirator use.

Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Keep away from heat, sparks and flame. Vapor may cause flash fire. **Use only with adequate ventilation. KEEP OUT OF REACH OF CHILDREN.**

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

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LIMITED WARRANTY: The technical data on this label or on other data is true and accurate to the best of our knowledge. We guarantee our products to conform to ANCHOR PAINT MFG. CO. quality control standards. Due to misuse in handling, storage, application and workmanship or variables such as weather or surface integrity that are beyond our control, Anchor Paint does not authorize any representative to make any warranty or merchantability of fitness of this product. Any liability whatsoever of Anchor Paint Mfg. Co. to the buyer or user of this product is limited to the purchaser's cost of the product itself.