



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-C2

OPEX[®] Black Lacquer

Semi-Gloss Black M60B8
 Satin Black M60B17
 Dull Black M60B10
 Flat Black M60B16

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>				
<p>OPEX[®] Black Lacquers are nitrocellulose alkyd lacquers for industrial product finishing</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Fast air dry • Available in glosses from 0 to 45 • For interior and exterior use • No critical recoat time • Non-bleeding pigments • Free of lead and chromate hazards 	Product	M60B8	M60B17	M60B10	M60B16
	Gloss:	Semi-Gloss 40-45	Satin 25-35	Dull Sheen 10-15	Dead Flat 0-3
	Volume Solids (% ± 2):	20.4	16.0	15.2	27.3
	Viscosity:	18-22	18-22*	18-22	18-22
		seconds on a #4 Ford Cup reduced 100% with R7K120			
		* pre-reduced			
	Spreading Rate:	328	513	244	440
		sq ft/gal @ 0.5 mil DFT, no loss			
	Recommended film thickness:				
	Mils Dry:				
	interior	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0
	exterior—primed	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2
	exterior—unprimed	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0
	Air Quality Data:				
	Non-photochemically reactive				
	Volatile Organic Compounds (VOC)				
	as packaged, maximum				
	lb/gal	5.5	5.8	5.8	5.0
	g/L	660	696	696	600
	reduced (%) with R7K120:	(100%)	(10%)	(100%)	(100%)
	lb/gal	6.1	5.92	6.2	5.8
	g/L	732	710	744	696
	An Environmental Quality Data Sheet is available from your local Sherwin-Williams facility.				
	Drying (77°F, 45% RH):				
	Tack Free:	5-10 minutes			
	To Recoat:	no critical recoat			
	To Pack:	2-4 hours			
	Force Dry:	10-15 minutes at 180°F			
	Good air movement is more important than heat				
	Flash Point:	21-35°F Pinsky-Martens Closed Cup			
	Package Life:	3 years, unopened			

SPECIFICATIONS

General: Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface passivation treatments to ensure optimum adhesion and coating performance properties. Consult Metal Preparation Brochure CC-T1 for additional details.

Aluminum: Prime with Industrial Wash Primer P60G2.

Galvanized Steel: Prime with Industrial Wash Primer P60G2.

Steel or Iron: Remove rust, mill scale, and oxidation products. For best results, treat the surface with a proprietary surface chemical treatment of zinc or iron phosphate to improve corrosion protection. Prime with Opex P61 primers.

Wood (interior only): Must be clean, dry, and finish sanded. Prime with Opex P61 or Sher-Wood P65W1 Primer

Testing: Due to the wide variety of substrates, surface preparation methods, and application methods and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.

Cleanup:

Clean tools/equipment immediately after use with Lacquer Thinner R7K120. Follow manufacturer's safety recommendations when using any solvent.

APPLICATION

With high humidity, it may be necessary to use Opex Retarder Thinner R7K27 to reduce or eliminate blushing.

Satin, M60B17 is ready to apply without reduction, M60B8, M60B10, and M60B16 need to be reduced as listed below.

Conventional Spray:

Air Pressure 45-60 psi

Fluid Pressure 8-12 psi

Reducer R7K120 or R7K22

Reduction Rate 100%

Warm Spray:

Reducer R7K22

Reduction Rate 50-75%

Dip:

Reducer R7K27 or R7K22

Reduction Rate 50-75%

Excessive agitation or turbulence on part immersion or withdrawal may cause foaming.

Tank maintenance (agitation, turnover rate, viscosity control, and stability) is required

SPECIFICATIONS

Product Limitations:

- After force drying, cool articles to prevent sticking.
- High humidity may cause blushing with lacquers and increase drying time.
- Not intended for use on exterior wood products.

Performance Tests

Hardness:

With one hour drying, this will withstand one psi with no marring or film transfer.

CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. A Material Safety Data Sheet is available from your local Sherwin-Williams facility.

Please direct any questions or comments to your local Sherwin-Williams facility.

LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Do not induce vomiting. Call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET.21504-051905.

Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.