



MULTI-PURPOSE CLEAR TOPCOAT

DESCRIPTION AND USES

Multispec® Multi-Purpose Clear Topcoat is a water-based acrylic polyurethane designed to provide a durable, long-wearing finish for interior wood surfaces. MCT protects against moisture, stains, oils and most household chemicals and has excellent chip and mar resistance. MCT is recommended for use over multicolor finishes or on surfaces subject to repeated handling or soiling.

PRODUCTS

SKU	Description
9S146	1-Gallon High Gloss
9S147	1-Gallon Low Sheen

PRODUCT APPLICATION

SURFACE PREPARATION

Surfaces must be dry, free of wax, grease and dirt. Sand smooth and remove all dust. Glossy surfaces must be degreased. Note: On previously waxed surfaces; use a wax stripper, then sand smooth. Do not apply MCT over sealers, wood fillers or wood stains containing shellac, wax or stearates. Where possible bleeding of stains may occur, a high quality solvent-based stain sealer should be used prior to coating with multicolor paint.

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 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.

PRODUCT APPLICATION (cont.)

BLENDING TO VARY SHEEN

MCT Gloss (85 gloss units) and MCT Low Sheen (10 gloss units) may be intermixed to achieve a semi-gloss finish. A 50:50 blend will result in a sheen of approximately 20-25 gloss units.

APPLICATION

Apply only when air, material, and surface temperatures are between 60-90°F (15-32°C) and the relative humidity is below 85%. Do not shake. Low Sheen MCT should be stirred thoroughly to re-disperse any settled pigment. Incomplete mixing may result in uneven sheen. Stir gently to minimize air entrapment. Allow air bubbles in container to dissipate prior to application. Avoid application during periods of high humidity. Thinning is not recommended. DO NOT ADD SOLVENTS. If necessary, add water in small increments. Too much water will cause runs and sags.

MCT can be applied with a synthetic brush, foam brush, pad applicator, or by appropriate spray equipment. For best results and to avoid runs and sags, brush or spray on thin coats. When applying with a brush or pad, spread evenly and avoid working back into partially dried areas. When dry sand lightly between coats with fine grit sandpaper. And remove all dust. Do not use steel wool. MCT can be recoated without sanding if additional coats are applied at 2 hour intervals. Do not exceed 3 coats in a 24 hour period. Note: Multiple coats may impart light yellowish tint to light colors and may alter the clarity of the topcoat due to high film thickness. Test on an inconspicuous area prior to proceeding with the project.

DRY TIME

Dry time is based on 70°F and 50% relative humidity. Lower temperatures and higher humidity will extend the dry time. Dries to the touch in 30 minutes, dries to handle in 3-4 hours and can be recoated in 2 hours. MCT will be fully cured in 3-4 days.

CLEAN-UP

Wash brushes and tools with warm, soapy water. Wipe up splatters before they dry. Follow equipment manufacturer's directions to clean spray equipment.

TECHNICAL DATA**MULTISPEC®****MULTI-PURPOSE CLEAR TOPCOAT****PHYSICAL PROPERTIES**

Physical Properties		HIGH GLOSS MULTI-PURPOSE CLEAR TOPCOAT	LOW SHEEN MULTI-PURPOSE CLEAR TOPCOAT
Resin Type		Acrylic Polyurethane	
Pigment Type		NA	Amorphous Silica
Solvents		N-Methylpyrrolidone and Glycols	
Weight	Per Gallon	8.6 lbs.	8.8 lbs.
	Per Liter	1.03 kg	1.05 kg
Solids	By Weight	32.0%	35.0%
	By Volume	30.0%	31.5%
Volatile Organic Compounds		224 g/l (1.9 lbs./gal.)	
Recommended Dry Film Thickness (DFT) per Coat		1.0-1.5 mils (25-37.5 μ)	
Wet Film to Achieve DFT (Unthinned material)		3.0-5.0 mils (100-150 μ)	
Theoretical Coverage at 1 mil DFT (25 μ)		480-505 sq.ft./gal. (11.8-12.4 m ² /l)	
Practical Coverage at Recommended DFT (assume 15% material loss)		400-500 sq.ft./gal. (9.8-12.3 m ² /l)	
Dry Times at 70°F (21°C) and 50% Relative Humidity	Touch	30 minutes	
	Handle	3-4 hours	
	Recoat	2 hours	
	Full Cure	3-4 days	
Shelf Life		2 years	
Flash Point		>200°F (93°C)	
Safety Information		For additional information, see MSDS	

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