



Low-VOC Mactek Enamel

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Product Data Sheet

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45 SERIES FB-305 LOW VOC GLOSS WHITE ENAMEL

Description Mactek 45 Series Low VOC Enamels are fast drying modified alkyd enamels for use on primed metal surfaces. This compliant enamel may also be used on properly prepared wood surfaces. This enamel is ideal for machinery and equipment.

Data Below represents product as supplied unless otherwise indicated

Specifications

Weight per Gallon: 9.77 Coating VOC: 366 G/L (3.05 Lb/Gal)
Solids by Weight: 59.88 Material VOC: 277 G/L (2.31 Lb/Gal)
Solids by Volume: 43.21 Coating VOC after thinning = 420 G/L
Coverage @1 mil= 697 Sq Ft./Gal Material VOC after thinning = 327 G/L
Gloss: 85+ VOC weight ratio after thinning = 0.52 Lb VOC/Lb Solid
Viscosity: 20 - 25 Seconds Zahn2



Surface Preparation Surfaces must be commercially clean and free of dirt, grease and water. For maximum performance and corrosion resistance, metal surfaces should be primed with a Mactek primer, such as U-187A. No Maclac paint product has ever contained any lead. But if you are preparing previously painted surfaces with unknown paints please observe the following precautions. 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 NOISH-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.

Mixing & Thinning Product must be thinned properly for good application. For regular air dry applications thin by adding 10% by volume Mactek T-91 synthetic enamel reducer. Note thinning this product more than 10% will raise the VOC above 420 G/L. Thoroughly shake or mix material prior to thinning.

Application & Dry Mactek enamels may be applied by conventional, HVLP, airless or air-assist airless spray. FB-305 White will dry to touch in 30 minutes, and to handle in about 1 hour (when applied to approximately 1 mil dry film thickness under standard conditions). In order to prevent self-lifting, care must be taken in applying second or third coats. After the first coat, any subsequent coats should be applied within 6 hours. If subsequent coats are not applied within 6 hours, then allow a minimum of 48 hours cure time. If total dry film thickness is more than 1 mil, then allow an additional 24 hours cure time for each additional mil.

Performance & Durability

Mactek 45 series enamels are corrosion resistant and durable under outdoor exposures. They will resist mild acids, solvents and greases.

Environmental & Safe Handling

Coating VOC content as supplied is 366 G/L (3.05 Lb/Gal). 10% Thinning with T-91 will increase the VOC content to 420 G/L (3.50 Lb/Gal). Check local air quality district regulations prior to using this product. Warning: flammable mixture. Do not use near heat, sparks, flames, or any ignition sources. Do not cut empty containers. Use only with adequate ventilation. Dispose of any product only in accordance with all applicable regulations. See product material safety data sheet for full details.

LIMITED WARRANTY

The information contained herein is offered to assist customers in determining whether our products are suitable for their applications. We request that customers examine our products before use and satisfy themselves as to their suitability. We warrant that our products will meet our written specifications. Since application circumstances, substrate condition and product intermix are beyond our control, we cannot guarantee results under all possible situations. R.J. McGlennon Co. Inc. makes no representation as to the results the user will achieve.

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