



Tufcote 142 Acrylic DTM

142B3-100 (Formerly 142-B300-100 SB ACRYLIC DTM BLACK)



GENERAL

DESCRIPTION

Tufcote 142 Acrylic DTM is a single component, air dry, Direct-To-Metal (DTM) acrylic designed to provide corrosion protection. This coating has excellent application properties and forms a tough, low-gloss, water and corrosion resistant film. This product does not contain lead or chromate inhibitors.

SUGGESTED USES

Tufcote 142 Acrylic DTM is designed specifically for fast dry and set properties are needed. 142B3-100 is ideal for use in OEM operations where Direct-To-Metal application is used on steel tanks, piping, trailer manufacturing, steel components, structural steel construction and general anti-corrosive maintenance applications. This product may also be used with or without a primer in a variety of applications.

COMPATIBILITY WITH OTHER COATINGS

COLOR

The products referenced herein may not be sold in your market. Please consult your distributor for product availability.



MIXING

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Power mix product for 3-5 minutes to re-disperse any solids that may have settled during transit.

Reduction

Tufcote 142 Acrylic DTM is provided ready-to-brush or roll. Reduce with Century thinner, VM&P naphtha, or SC 100 solvent, adding no more than 5% by volume (airless spray) or 15% by volume (conventional spray) keeping in mind local VOC restrictions.

POT LIFE

Unlimited (single package paint)



APPLICATION

APPLICATION CONDITIONS

Apply only in good weather or in covered areas protected from environmental conditions. Substrate and air temperatures must be at least 5°F (3°C) above the dew point and rising. Avoid painting late in the day when temperatures fall and relative humidity increases toward the dew point. Water condensation on the new film may cause surface imperfections and poor cure.

SURFACE PREPARATION

Poor surface preparation will reduce the overall performance and service life of the coating. For best results, surfaces should be clean, dry and free of loose rust, dust, dirt, oil, grease, salt deposits or other contaminants. This product may be applied in direct contact to metal



substrates. It may be applied over existing, intact coatings. Test inconspicuous area for lifting or softening of existing coating prior to full application.

APPLICATION

Conventional pressure pot spray, airless spray, or air-assisted airless spray applications as well as nylon brushes and/or short-nap rosin-rollers are recommended.

Conventional spray equipment –separate air and fluid pressure regulators recommended; DeVilbiss JGA 510 spray gun w/ 765 air cap; "E" fluid tip or equal; 40-60 PSI atomization air pressure 10-15 lbs. pot pressure; 3/8" I.D. minimum material hose.

Airless spray – 30:1 pump ratio or larger; tip sizes of 0.017-0.019"; with fluid pressures of 1800-2500 PSI; 3/8" I.D. minimum material hose; and up to 0.3 gallons per minute (min.) output give the best results.

Tufcote 142 Acrylic DTM is formulated to apply up to 4 mils DFT with a sag resistance of 10 mils Wet

Film Thickness when applied in a mist coat / full coat with 50% overlapping cross-coat technique at 80°F/50%R.H.

Excessive wet film thickness will begin to sag, curtain or run. Through-dry of the resulting film will be retarded.

High substrate temperatures (above 110°F) may cause the product to sag, curtain, or run. Avoid applying this product directly to hot (>110°F) substrates.

CLEAN UP THINNERS

Clean equipment with MEK, VM&P naphtha or SC 100 thinner. Use soap and water to remove any material from hands or skin. Dispose of all waste in accordance with local, state, and federal regulations.



DRY TIMES

@ 80°F / 50% R.H.
To Touch = 2 hrs
Handle = 4 hrs
Full Cure = 24-36 hours



PHYSICAL PROPERTIES

Viscosity	
Volume Solids	44.76 +/- 1%
Weight Solids	59.23+/- 1%
Theoretical Coverage Per Gallon	721 sq ft/gal @ 1 mil DFT
Solvents Used	Acrylic DTM Enamel
Flash Point	
Gloss	10-20 Gloss Units
Shelf Life	

Recommended DFT 3-4 mils DFT (7-9 mils wet) in 1 coat is recommended. 9 mils DFT is possible in 1 coat if a mist-coat followed by a full wet coat application technique is used. A mist-coat / full-coat technique provides the best coverage and best overall performance results.

STORAGE CONDITIONS



VOC REGULATIONS

VOC (Theoretical, varies with color).

VOC Actual Emissions - 4.04 lbs/gal (483.59 g/L)

VOC (minus water): 4.04 lbs/gal (483.59 g/L)

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing usage and recommendations in the VOC Compliant Products Chart for your area.

SAFETY AND HANDLING

This product contains flammable liquids. Keep away from heat, sparks or open flames. Use with adequate ventilation. If used in enclosed areas, proper air circulation must be provided and maintained during and after application until the coating is dry. The ventilation must be sufficient to prevent the solvent vapor concentration from rising to the lower explosion limit. (See SDS)

Proper handling and disposal of all paint, and paint related waste should be maintained. Use only fiberglass filters for spray booth operations. Follow OSHA regulation 1910.107 (CFR 29) pertaining to spray finishing. Dispose of used filters according to OSHA 1910.107(b) (5) (ii) to prevent spontaneous combustion of waste materials. Information on spray paint regulations and proper disposal may be obtained at the OSHA website www.osha.gov.

Avoid prolonged contact with skin and avoid breathing of vapors or spray mist. Use protective barrier cream on exposed skin if user is hypersensitive to alkyd coatings.

All technical advice, recommendations and services are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable, and intended for professional use by persons having skill and know-how at their own discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from their use by Buyer in whole or in part. Such recommendations, technical advice or services are not to be taken as a license to operate under or intended to suggest infringement of any existing patent.

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