

TECHNICAL DATA 16000 SERIES DTM'S

Description

The 16000 SERIES are high solids, Direct to Metal (DTM) urethane primer topcoats. The 16000 Series urethane topcoats are designed for both DTM and Primer/topcoat applications. Each 16000 Series coating is custom tailored to customer specifications; ratio, activator and application properties vary to optimize performance.

Mixed Coating Properties

Mix Ratio	to customer specifications
VOC	3.5 – 4.0 lbs / gal or 420 – 480 grams / litre
Volume Solids	46 - 51%
Sag	to customer specifications
Viscosity	to customer specifications
Pot Life @ 77°F (25°C)	2.00 hours
Salt Spray (B1000)	1000 hours @ 4 mils DFT
Impacts	100+ in/lbs @ 2 mils DFT
Gloss	
20°	flat – ultra gloss
60°	flat – ultra gloss
Theoretical Coverage @ 1 mil DFT	737 - 818 ft ² / gal (18.1 - 20.0 m ² / litre)

DFT = Dry Film Thickness

Product Weight - Container weight not included

16000 Series base	7.91 – 11.25 lbs / gallon or 0.95 – 1.35 kg / litre
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Shelf Life

Shelf Life is applicable only for material stored in unopened and undamaged original factory filled containers at 39° - 100°F (4° to 38°C).

16000 SERIES	1 year
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Subject to reinspection. Store unused material in tightly closed containers. Contents of partially filled containers may show surface skinning after storage. If skinning forms, remove by straining before use.

BENEFITS

- DTM
- corrosion resistance
- high abrasion resistance
- excellent hardness
- excellent edge coverage
- excellent flow out
- excellent weather resistance

USES

- OEM - transportation & fleet finishing
- OEM - agricultural equipment
- general industrial

TECHNICAL DATA

16000 SERIES

Surface Preparation

SSPC – SP6 Commercial Blast minimum recommended or a minimum of 3-stage to 7-stage phosphate cleaning system.

Mixing Instructions

Contact your Guertin Representative to determine the correct ratio and activator for your product.

Mix thoroughly to uniform consistency before use. Filter through 100 mesh in line filter.

Application Instructions

Application Temperature

Minimum	55F (10°C)
Maximum	100F (38°C)

Equipment Settings

Air Spray:	pot pressure:	10 – 20 psi
	atomizing air:	45 – 65 psi
	nozzle set:	1.2 – 2.2
Airless Spray:	fluid pressure:	2000 - 2500 psi
	tip size:	.013 - .019
Air Assist Airless:	fluid pressure:	700 - 1500 psi
	atomizing air:	20 – 60 psi
	tip size:	.013 - .019

- Precision plural component equipment is recommended. All spray equipment including lines and filters must be kept clean at all times to avoid nozzle plugging. When hand mixing smaller quantities, stir thoroughly to a uniform consistency prior to use.
- Apply in wet coat making even parallel passes. Overlap each pass 50% to minimize holidays, bare areas and pinholes.
- Excess wet film will cause sags and runs.

Recommended dry film thickness is 2.50+ mils above profile.

If thinners are required: *Please contact your Guertin Representative for recommendations.*

Note: Successful application requires following the recommended temperature, humidity conditions and film thickness ranges.

Drying Schedule

To customer specifications

Recoat Window for best D.O.I.

Substrate Temp	70F (21°C)
Over Itself	15 minutes to 3 days
Over 72000 Series	3.0 hours to 3 days
Over 75000 Series	4.0 hours to 3 days
Over 77000 Series	3.0 hours to 3 days
Over Urethane Primers	30 minutes to 3 days

Flash times: The DTM urethane should be flashed for 30 minutes before applying a second coat. High film builds (>4mils) will require longer flash times.

It is recommended to apply at ambient air and surface temperatures between 55°- 100F (10°- 38°C). Apply at a relative humidity level between 33% - 85%.

Surface temperature must be at least 5F (3°C) above the dew point to ensure that moisture condensation does not occur during application and the drying period.

Higher/lower temperatures & humidity, film thickness, improper activator range and poor air movement will affect the dry time and recoat window.

Equipment Cleanup

Clean application equipment with Guertin's SP01174T0.

Safety Precautions

FOR INDUSTRIAL USE ONLY. To be used by professionally trained personnel using proper safety equipment. Use only with adequate ventilation. Warning: this product is flammable, keep away from heat, sparks and open flame. Please refer to material safety data sheets.

Warranty

Guertin Coatings warrants its product to be free from defects in materials and workmanship and will REPLACE ANY PRODUCT PROVED TO BE DEFECTIVE, OR REFUND OF THE ORIGINAL PURCHASE PRICE OF THE QUANTITY PROVED TO BE DEFECTIVE. Requests for refund or replacement of product must be made in writing within one year from the original date of purchase. This Warranty does not apply to defects due, directly or indirectly, to misuse, abuse, negligent application, or acts of God.

GUERTIN COATINGS WILL NOT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR INCIDENTAL, CONTINGENT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCT, INCLUDING DOWNTIME OR LOSS OF USE OF PRODUCT.

All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. Our products are sold on the condition that the user himself will evaluate them, as well as our recommendations, to determine their suitability for his own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations.