



## 2K DTM Polyurethane Base

**2K DTM Polyurethane Base is a high solids 2K acrylic urethane topcoat. It has high solids, high build with excellent flow and gloss and has direct to metal application. It is suitable for large industrial and commercial applications where a slower system with longer open time is required. This base is used as part of the Paladin Industrial Coatings System.**



### Mix Ratio

4:1 – 4 parts 313 2K DTM Polyurethane Base and 1 part 19-241-04 LV Polyurethane Hardener Normal or 19-253-04 LV Polyurethane Hardener Slow.  
Can be reduced up to 10% with Paladin Zero VOC Reducer.  
Optional: if needed in extreme temperatures, High Temp Decelerator (19-259-07) can be added at a rate of 1 – 2 oz per sprayable quart.



### Suitable Substrates

- Mild steel
- Galvanized iron (GRP)
- Previously painted substrates in sound condition
- Aluminum
- Glass reinforced plastics



### Surface Prep & Application

Sand and clean all areas prior to application with SCAT Wax & Grease Remover. Ensure all residue is removed prior to application. Lightly rusted surfaces must be treated with a Metal Converter.  
Apply 1 coat followed by 1 or 2 medium wet coats.  
Avoid heavy wet coats.



### Flash/Dry Times (Air Dry) @ 77°F (25°C)

Flash Between Coats: 15 – 20 minutes.  
Air Dry (Tack Free): 4 hours; Recoatable with itself after anytime.



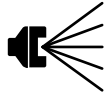
### Pot Life

2 – 3 hours @ 77°F (25°C).



### Gun Set-up

|              |              |
|--------------|--------------|
| Gravity Feed | 1.2 – 1.4 mm |
| Suction Feed | 1.5 – 2.0 mm |
| HVLP/LVLP    | 1.2 – 1.3 mm |



### Air Pressure

|                      |                        |
|----------------------|------------------------|
| Gravity/Suction Feed | 30 – 35 psi at the gun |
| HVLP/LVLP            | 6 – 10 PSI at the gun  |



### Technical Data & Physical Properties

|                           |   |                          |                    |
|---------------------------|---|--------------------------|--------------------|
| Mix Ratio.....            | 4:1   | Pot Life .....           | 2 – 3 hours        |
| Theoretical Dry Film..... | 325 ft <sup>2</sup> @ 8.0 mil                 | Dry Film Thickness ..... | 2.0 mils           |
| Volume Solids .....       | 70%   | Weight Solids.....       | 58.8%              |
| Viscosity .....           | BSB 4 Cup 18 – 20 sec; Ford 4 Cup 16 – 17 sec |                          |                    |
| <i>19-313-20</i>          |   |                          |                    |
| Actual VOC.....           | 1.92#/gal (230g/l)                            | Regulatory VOC.....      | 3.29#/gal (394g/l) |

Shelf Life - 36 months minimum from date of manufacture when maintained in protected storage @ 40 – 100°F (4° – 38°C) (subject to inspection thereafter).



### Limitations

Stir or shake for a minimum of 10 minutes before use.  
 Never leave the mixture standing for more than 30 minutes before mixing.  
 Use proper weights and measures per the color formulation.  
 Color check is recommended prior to application.  
 Surface temperature must always be a minimum of 37°F (3°C) above dew point.



### Safety

Read all directions, safety warnings and SDS before using any Paladin Industrial Coating Products. **For use by professionally trained painters only. Not for sale or use by the general public. Keep out of reach of children.**

### LIMITED WARRANTY

The successful performance of this product is dependent on many factors beyond our control. Results are dependent upon the skill of the operator. This product is manufactured to meet the highest level of consistency and quality for the intended use. Paladin Industrial Coatings warrants that its products meet the specifications which it sets for them. Should this product be proven to be off-specification within one year from date of shipment, Paladin Industrial coatings will, at its sole discretion, either replace the product or issue credit for the original purchase price of the product. The replacement or refund shall be the buyer's sole remedy and Paladin Industrial Coatings and its affiliates MAKE NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, DESIGN COMPATIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. LABOR OR COST OF LABOR AND OTHER INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.