



## 2K LV Polyurethane Base

**2K LV Polyurethane Base is a 2K acrylic urethane topcoat with great durability and excellent flow and gloss. It is suitable for most industrial and commercial applications. This is a tintable base and can be used to make any of the more than 15,000 colors in the Paladin Industrial Coatings range.**



### Mix Ratio

4:1 – 4 parts 19-304-20 2K LV Polyurethane Base 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
- Previously painted substrates in sound condition
- Aluminum
- Glass reinforced plastics (GRP)



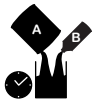
### Surface Prep & Application

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 2 medium wet coats.  
Avoid heavy wet coats.



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

Flash Between Coats: 5 – 10 minutes.  
Air Dry (Tack Free): 3 hours; Recoatable with itself after anytime.



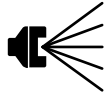
### Pot Life

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 .....	43.8%	Weight Solids.....	48.9%
Viscosity .....	BSB 4 Cup 18 – 20 sec; Ford 4 Cup 16 – 17 sec		
<u>19-304-20</u>			
Actual VOC.....	2.61#/gal (313g/l)	Regulatory VOC.....	3.41#/gal (409g/l)
<u>19-304W-20 (White)</u>			
Actual VOC.....	2.19#/gal (262g/l)	Regulatory VOC.....	3.03#/gal (363g/l)
<u>19-304B-20 (Black)</u>			
Actual VOC.....	2.53#/gal (303g/l)	Regulatory VOC.....	3.4#/gal (407g/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.