



# TECHNICAL DATA SHEET

## TECHLACK 3144 NC

Finishing paint based on nitrocellulose resin, single component, extra fast drying at room temperature. It is an easy to apply paint, excellent flexibility, excellent brightness and hardness, which provides an excellent finish for metal surfaces.

### RECOMMENDED USES

Techlack 3144 NC is especially used for general, partial or touch-up painting on automotive vehicles or machines. It can also be used for painting agricultural and road implements, metal structures, wooden artifacts and fiberglass in general.

### PRODUCT CHARACTERISTICS

<b>Color:</b>	Ral, Munsell, or as per customer standard.
<b>Finish:</b>	Bright
<b>Weigh solid:</b>	56 % $\pm$ 3
<b>Volume solid:</b>	44 % $\pm$ 2
<b>VOC:</b>	540 g/L
<b>Density:</b>	0,93 g/cm <sup>3</sup> (approximate value)
<b>Flash point:</b>	23 °C
<b>Shelf life:</b>	24 months

### APPLICATIONS DATA

<b>Spreading rate per coat:</b>	<b>Minimum</b>	<b>Maximum</b>
	Wet – 56 $\mu$ m	68 $\mu$ m
	Dry – 25 $\mu$ m	30 $\mu$ m
<b>Theoretical coverage:</b>	17,60 m <sup>2</sup> /L to 25 $\mu$ m 14,66 m <sup>2</sup> /L to 30 $\mu$ m	
<b>Reducer:</b>	TechSolv 9200 – As needed up to 100% by volume. Check environmental conditions first and application method	
<b>Packaging:</b>	3,6 L, 20 L or 200 L	
<b>Applications methods:</b>	Airless Spray, Conventional Spray, Brush and Roller	

### DRYING TIME

<b>Temperature</b>	25° C
<b>To touch</b>	10 – 20 Minutes
<b>To handle</b>	30 – 40 Minutes



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**To recoat** 1 – 12 Hours

**To cure** 12 Hours

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

## APPLICATIONS CONDITIONS:

Relative humidity maximum to apply is 85%. Minimum temperature to apply and dry is 15 °C. Only apply if the surface is 3 °C above the dew point. Pot life is temperature dependent.

## DRY HEAT RESISTANCE

Continuous heat: 90 °C. Organic coating may suffer changes in color, gloss and adhesion when exposed to temperatures above 60 °C.

## SURFACE PREPARATIONS

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1.

Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

## APPLICATIONS METHOD

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

### Airless Spray:

**Pressure**..... 1800 - 2200 psi  
**Hose** .....1/4"  
**Tip** ..... 0,013” to 0,015“  
**Filter** ..... Mesh 60  
**Reduction**..... Max. 5%

### Conventional Spray

**Gun**..... JGA 502/3 Devilbiss  
**Fluid Nozzle** ..... FX - FF  
**Atomization Pressure** ..... 50 psi  
**Fluid Pressure**..... 10 to 20 psi  
**Reduction** ..... Max. 25 %.

### Brush

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Brush.....Natural bristle.  
Reduction.....As needed up to 15% by volume.

## **Roller**

Cover:..... 3/8" woven with solvent resistant core.  
Reduction..... As needed up to 15% by volume.

## **APPLICATIONS PROCEDURES**

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine 3 parts by volume of Part A with 1 part by volume of Part B. Thoroughly agitate the mixture with power agitation.

## **SAFETY PRECAUTIONS**

Refer to the SDS sheet before use.

## **NOTE**

The practical coverage is a dry thickness, applications method and surface profile dependent. Do not use a different thinner without the AnjoTech technical team approve. We do not assume any responsibility for material and personal damages caused by misuse of the information contained in this technical datasheet. Published technical data and instructions are subject to change without notice. Contact your AnjoTech representative for additional technical data and instructions.

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