

# Technical Data Sheet

Product Name	
Full Product Name	<b>404 2K PU Mixed Colour</b>
Type of Product	2K fast drying acrylic urethane topcoat
Description	Concept 404 2K PU Mixed Colour is a 2K fast drying acrylic urethane topcoat that is suitable for most industrial and commercial applications. It is characterised by its excellent flow, high gloss and durability, as well as excellent flow.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
2K PU (304 or 404) Mixed Colour	Depending on the colour					
241 PU Hardener (4:1) Normal	33.9	39.9	0.986	8.23	593.1	4.95
241 PU Hardener (4:1) Fast	33.6	40.2	0.968	8.08	578.3	4.83
241 PU Hardener (4:1) Slow	35.4	40.9	1.004	8.38	593.8	4.96
831 2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
831 2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36
831 2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

Properties
<ul style="list-style-type: none"> <li>Fast Drying</li> </ul>
<ul style="list-style-type: none"> <li>Excellent flow</li> </ul>
<ul style="list-style-type: none"> <li>High gloss</li> </ul>

Substrates
<ul style="list-style-type: none"> <li>Concept HS 2K Primer</li> </ul>
<ul style="list-style-type: none"> <li>Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels</li> </ul>

## Substrate Preparation

	<b>All Substrates</b>	All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application
--	-----------------------	---

## Product Preparation

	<b>Mixing Ratio</b> 4:1 (by volume)		<b>404 2K PU</b>  4 parts	<b>241 PU Hardener (4:1)</b>  1 part	
	<b>Reducer</b>	Up to 20% (v/v) Concept 2K Thinner, if required			
	<b>Pot life</b> @ 25°C (77°F)	2-3 hours			
	<b>Spray viscosity</b> @ 25°C (77°F)	<b>BSB 4 Cup</b> <b>Ford 4 Cup</b>	18-20 s 16-17 s		
   	<b>Spray equipment</b>	<b>Gun type</b>	<b>Fluid tip</b>	<b>Spray pressure</b>	<b>Spray Distance</b>
	<b>Gravity Feed</b>	1.2-1.4 mm 0.047-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch	
	<b>Suction feed</b>	1.5-2.0 mm 0.059-0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch	
	<b>HVLP</b>	1.2-1.3 mm 0.047-0.051"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch	
<b>Airless, Air Assisted, Electrostatic</b>	Consult the manufacturer's instructions.				
	<b>Number of coats</b>	2-3	Apply one light coat followed by one or two even full coats. Avoid heavy wet coats.		
	<b>DFT Recommended</b>	40-50 µm 1.6-2.0 mils			

## Product Preparation cont

	<b>Flash off time</b> @ 25°C (77°F)	5-10 min between coats	
	<b>Drying</b>	<b>Air Dry</b> @ 25°C (77°F)	Tack Free: 3 hours Full cure: 16 hours.
<p>This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.</p>			

## Remarks

	Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components.
	Before application a colour comparison is recommended
	Surface temperature must always be a minimum of 3°C (5°F) above dew point.

## Equipment Cleaning

Use recommended Concept Paints cleaner

## Dry Film Properties

After 7 days drying,  
**when compared to similar technology products.**

**Durability**      Excellent

## Product Data

**Theoretical Coverage**      Approx. 8.0 m<sup>2</sup>/L (325 ft<sup>2</sup>/US gal) @ recommended DFT

**Shelf Life**      36 months in an unopened container  
at room temperature away from sunlight.

## Product Packaging

Product Code 1	Product Code 2	Product Name	Package Size
A06C/304/XXXX	304XXXX	404 2K PU Mixed Colour	>200L
IN24192000001	2419200	241 PU Hardener (4:1) Normal	1L
IN24193000001	2419300	241 PU Hardener (4:1) Fast	1L
IN24191000001	2419100	241 PU Hardener (4:1) Slow	1L
IN83191000020	8319100	831 2K Thinner Slow	20L
IN83192000020	8319200	831 2K Thinner	20L
IN83193000020	8319300	831 2K Thinner Fast	20L

## Safety

For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all label and Safety Data Sheet (SDS) precautions. If mixed with other components, the mixture will have hazards of all individual components.

Read and understand the Guidelines for the Safe Handling and Use of Isocyanate Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment. Use only in a well-ventilated approved spray booth, according to local regulations.

The information provided in this documentation has been carefully selected and arranged by us. It is based upon our best knowledge on the subject at the date of issuance. The Information is given for information purposes only. We are not liable for its correctness, accuracy and completeness. It is up to the user to check if the information is current and the product is suitable for its intended purpose. The intellectual property in this Information, including patents, trademarks and copyrights, is protected. All rights reserved.

We may modify and/ or discontinue operation of all or portions of this Information at any time in our sole discretion, without notice and assume no responsibility to update the Information. All rules set forth in this clause shall apply accordingly for any future changes and amendments.

This Technical Data Sheet supersedes all previous issues.

Concept Paints  
26-30 Charles Street  
St Marys NSW 2760  
Sydney, Australia

ph. +61 (2) 9673 2555  
fax. +61 (2) 9623 1918  
info@conceptpaints.com.au  
www.conceptpaints.com.au