

# Technical Data Sheet

<b>Product Name</b>	
Full Product Name	<b>Taxi Orange (4:1)</b>
Type of Product	2K acrylic urethane topcoat
Description	Concept Taxi Orange (4:1) is a chromate (lead) free 2K acrylic urethane topcoat, suitable for most industrial and commercial applications. It is characterised by excellent flow, producing a high gloss, chemically resistant film and two pack performance and durability. Taxi Orange (4:1) can be applied directly to properly cleaned and prepared mild steel.

<b>Products</b>						
<b>Product Name</b>	<b>Volume Solids</b> %	<b>Weight Solids</b> %	<b>Density</b>		<b>VOC</b>	
			g/mL	lbs/US gal	g/L	lbs/US gal
Taxi Orange (4:1)	46.3	55.6	1.106	9.23	490.6	4.09
4:1 Hardener Slow	35.4	40.9	1.004	8.38	593.8	4.96
4:1 Hardener	33.9	39.9	0.986	8.23	593.1	4.95
4:1 Hardener Fast	33.6	40.2	0.968	8.08	578.3	4.83
2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36
2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

<b>Properties</b>
<ul style="list-style-type: none"> <li>• High gloss.</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent drying and thorough curing.</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent levelling and flow.</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent durability and chemical resistance.</li> </ul>

## Substrates

- Mild steel.
- Concept 2K MS 100 Primer Surfacer.
- Concept EP41 Epoxy Primer.
- Concept 2K Etch Primer.
- Sound existing and cured surfaces except for unstable surfaces such as nitrocellulose and enamels.

## Substrate Preparation















### All Substrates

- All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.



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## Product Preparation

	<b>Mixing Ratio</b> 4:1 (by volume)	<b>Concept Taxi Orange (4:1)</b>		<b>Concept 4:1 Hardener</b>		
		4 parts		1 part		
	<b>Reducer</b>	Up to 20% (v/v) of Concept 2K Thinner, if required.				
	<b>Pot life</b> @ 25°C (77°F)	6-8 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>	1.2-1.5 mm 0.047-0.059"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
			<b>Suction feed</b>	1.2-1.5 mm 0.047-0.059"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
			<b>HVLP</b>	1.3-1.4 mm 0.051-0.055"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
	<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.				
	<b>Flash off time</b> @ 25°C (77°F)	5 min between coats.				
	<b>Drying</b>	<b>Air Dry</b> @ 25°C (77°F)	24 hours.			

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.

# Technical Data Sheet

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

Equipment Cleaning
Use recommended Concept Paints cleaner such as Concept Gunwash or Multi-Thinner.

Dry Film Properties	After 7 days drying, <b><u>when compared to similar technology products.</u></b>
Gloss	High.
Chemical resistance	Excellent.
Durability	Excellent.

Product Data	
Colour	Taxi Orange
Theoretical Coverage	Approx. 9.0 m <sup>2</sup> /L (365 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/MIXTAXIO	3042020	Taxi Orange (4:1)	4L
A04C/4:1S	2539100	4:1 Hardener Slow	1L
A04C/4:1	2539200	4:1 Hardener	250 mL, 1L
A04C/4:1F	2539300	4:1 Hardener Fast	250 mL, 1L
A08C/2KTHS	8319100	2K Thinner Slow	1L, 4L, 20L
A08C/2KTHIN	8319200	2K Thinner	1L, 4L, 20L
A08C/2KTHF	8319300	2K Thinner Fast	1L, 4L, 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.

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This Technical Data Sheet supersedes all previous issues.

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