

Date: 21st July 2021

Technical Data Sheet

Version: 02

Product Name	
Full Product Name	402 QD Factory Mixed Colours
Type of Product	1K Alkyd Enamel Topcoat
Description	Concept 402 QD Factory Mixed Colours are fast drying alkyd enamels with good gloss for quick and easy low build protection and beautification of primed steel. Particularly suited for tools, implements and equipment.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
402 QD Golden Yellow Y14	46.5	54.1	0.984	8.22	452.4	3.78
402 QD Golden Yellow	46.6	54.2	0.985	8.23	452.6	3.80
402 QD New Cat Yellow	51.9	61.3	1.080	9.01	417.8	3.49
402 QD Post Office Red	46.4	52.7	0.964	8.05	456.5	3.81
402 QD Signal Red R13	46.4	52.7	0.964	8.05	456.5	3.81
402 QD Sapphire Blue	46.4	52.7	0.983	8.20	464.9	3.88
402 QD Orange X15	46.4	54.3	0.989	8.25	451.4	3.77
402 QD Mid Grey N52	47.8	57.6	1.048	8.75	444.9	3.71
804 Enamel Thinner	0.00	0.00	0.802	6.69	0.802	6.69

Properties
- Superior performance when compared to other QD enamels - Fast drying - High gloss - Quick and easy application

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Substrates

- Concept 109 Enamel Primer
- Concept 113 ZP Primer or 116 ZP Primer(HB)
- Concept 103 Etch Primer or 110 Metal Etch
- Concept 111 Universal Primer(HB)
- Previously painted enamel substrates in sound condition (always check before painting)

Substrate Preparation

	Mild Steel	All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application
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Product Preparation

	Reducer	Up to 20% (v/v) Concept 804 Enamel Thinner, if required			
	Pot life @ 25°C (77°F)	N/A			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	18-19 s 16-17 s		
   	Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
		Gravity Feed	1.3-1.5 mm 0.051-0.059"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		Suction feed	1.3-1.5 mm 0.051-0.059"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		HVLP	1.3-1.5 mm 0.051-0.059"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
		Airless, Air Assisted, Electrostatic	Consult the manufacturer's instructions.		

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Product Preparation cont.

	Number of coats	2	Apply one light coat followed by one even full coat. Avoid heavy wet coats.
	DFT Recommended	40-50 µm 2.0 mils	
	Flash off time @ 25°C (77°F)	5 min between coats	
	Drying	Air Dry @ 25°C (77°F)	4-5 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.

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 dew point.

Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

Dry Film Properties

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

Gloss	High
Water resistance	Good
Petrol resistance	Good
Durability	Good

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Product Data

Theoretical Coverage	Approx. 6.0 m ² /L (245 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

Product Packaging

Product Code	Product Name	Package Size
IN4021003000X	402 QD Golden Yellow Y14	1L, 4L, 20L
IN4021020000X	402 QD Golden Yellow	1L, 4L, 20L
IN4021021000X	402 QD New Cat Yellow	1L, 4L, 20L
IN4023027000X	402 QD Post Office Red	1L, 4L, 20L
IN4023005000X	402 QD Signal Red R13	1L, 4L, 20L
IN4024023000X	402 QD Sapphire Blue	1L, 4L, 20L
IN4022021000X	402 QD Orange X15	1L, 4L, 20L
IN4026027000X	402 QD Mid Grey N52	1L, 4L, 20L
IN8049200000X	804 Enamel Thinner	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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