

Date: 20th July, 2021

Technical Data Sheet

Version: 02

| Product Name | |
|-------------------|---|
| Full Product Name | Unicote 322 or 422 QD Enamel Economy Base/colour |
| Type of Product | 1K fast drying alkyd enamel |
| Description | Fast drying, economical industrial alkyd enamel, ideally suited for quick and easy, low build protection of steel, aluminium and glass reinforced plastics. |

| Products | | | | | | |
|----------------------------|-----------------|-----------------|---------|------------|-------|------------|
| Product Name | Volume Solids % | Weight Solids % | Density | | VOC | |
| | | | g/mL | lbs/US gal | g/L | lbs/US gal |
| 341 White | 70.0 | 84.7 | 1.909 | 15.93 | 291.2 | 2.43 |
| 342 Yellow Ochre | 63.5 | 79.0 | 1.689 | 14.10 | 354.6 | 2.96 |
| 343 Black | 60.2 | 64.5 | 1.083 | 9.04 | 384.1 | 3.21 |
| 344 Bright Blue | 52.6 | 53.8 | 1.163 | 9.71 | 537.5 | 4.49 |
| 345 Green Blue | 56.7 | 61.4 | 1.088 | 9.08 | 419.8 | 3.50 |
| 346 Violet | 53.9 | 54.4 | 1.122 | 9.36 | 512.0 | 4.27 |
| 347 Bright Red | 58.1 | 64.4 | 1.141 | 9.52 | 406.8 | 3.40 |
| 348 Magenta | 58.6 | 62.6 | 1.072 | 8.94 | 401.4 | 3.35 |
| 349 Bright Yellow | 56.2 | 62.2 | 1.125 | 9.39 | 425.4 | 3.55 |
| 350 Mid Yellow | 44.2 | 50.1 | 1.085 | 9.06 | 541.8 | 4.52 |
| 351 Scarlet | 59.8 | 68.5 | 1.240 | 10.35 | 390.3 | 3.26 |
| 352 Green | 55.6 | 59.5 | 1.234 | 10.30 | 500.3 | 4.18 |
| 353 Dark Red Oxide | 61.6 | 76.9 | 1.612 | 13.46 | 372.6 | 3.11 |
| 354 Jet Black | 53.1 | 56.7 | 1.053 | 8.78 | 455.5 | 3.80 |
| 355 Red | 63.1 | 66.1 | 1.187 | 9.91 | 402.4 | 3.36 |
| 371 Reduced Yellow Ochre | 62.5 | 68.7 | 1.161 | 9.69 | 363.9 | 3.04 |
| 372 Reduced Black | 61.8 | 65.0 | 1.059 | 8.84 | 370.3 | 3.09 |
| 373 Reduced Green Blue | 61.0 | 64.3 | 1.060 | 8.85 | 378.9 | 3.16 |
| 374 Reduced Scarlet | 61.8 | 66.0 | 1.093 | 9.12 | 371.2 | 3.10 |
| 375 Reduced Green | 60.8 | 63.8 | 1.092 | 9.11 | 395.5 | 3.30 |
| 381 Silver | 41.4 | 54.4 | 1.171 | 9.78 | 533.7 | 4.45 |
| 382 Coarse Silver | 42.5 | 51.4 | 1.116 | 9.31 | 541.4 | 4.52 |
| 399 Flattening Base | 35.9 | 43.2 | 1.094 | 9.13 | 621.5 | 5.19 |
| 422 Mixed colour | 55.0 | 61.0 | 1.090 | 9.08 | 534.0 | 4.28 |
| 322 QD Enamel Economy Base | 46.5 | 40.2 | 0.913 | 7.84 | 431.4 | 3.60 |
| 804 Enamel Thinner | 0.0 | 0.0 | 0.802 | 6.69 | 802.0 | 6.69 |
| 810 Retarder Thinner | 0.0 | 0.0 | 0.884 | 7.38 | 884.0 | 7.38 |

Date: 20th July, 2021

Technical Data Sheet

Version: 02


Properties

- Superior performance when compared to other similar products
- High gloss
- Quick and easy application

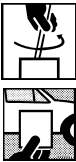








Substrates

- Mild Steel
- Aluminium
- Galvanised Iron
- Glass reinforced polyester (GRP & general types of fibreglass body parts)
- Previously painted substrates in sound condition

Substrate Preparation

| | |
|---|--|
|  Mild Steel | DTM: Sand with 240 Frecut Primer: Concept Zinc Phosphate Primer Sand with P600 wet or dry |
| Aluminium | Apply Concept 103 Etch Primer or Concept 110 Metal Etch or Concept 111 Universal Primer(HB) Sand with P600 wet or dry |
| Galvanised Iron | Apply Concept 103 Etch Primer or Concept 110 Metal Etch or Concept 111 Universal Primer(HB) Sand with P600 wet or dry |
| Glass Reinforced Plastics (GRP) | Apply Concept 103 Etch Primer or Concept 111 Universal Primer(HB) Sand with P600 wet or dry |
| Previously painted Surfaces (in sound condition) | Sand with P600 wet or dry |
| Special Notes: <ul style="list-style-type: none">• All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.• Use white or light-coloured primers under bright yellows, oranges and reds, if required. | |

Product Preparation





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|--|--|--|---|-----------------------|
|  | <ul style="list-style-type: none"> • Weigh the concentrates into the required base in accordance with the relevant colour formula. • A maximum of only 10% reduced concentrates is allowed and a maximum of 35% for all concentrates, in total. • Stir or shake for a minimum of 10 minutes. • Never leave the mixture stand for more than 30 minutes before mixing. | | | |
|  Reducer | Up to 15% (v/v) Concept 804 Enamel Thinner, if required 5-10% Concept 110 Retarder Thinner, if required (to minimize blooming) | | | |
|  Matting (if required) | Satin Finish: Add 30% of 399 Flattening Base. Matt Finish: Add 45% of 399 Flattening Base. Notes: <ul style="list-style-type: none"> • Never add more than 50% of 399 Flattening Base. • 399 Flattening Base must be added before adding a hardener or thinner. • The addition of 399 Flattening Base will reduce coverage. | | | |
|  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 | 1.3-1.4 mm 0.051-0.055" | 200-240 kPa 2.0-2.4 bar 30-35 psi | 15-20 cm 6-8 inch |
| | HVLP | 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 |
| | Suction feed | 1.2-1.3 mm 0.047-0.051" | 200-240 kPa 2.0-2.4 bar 30-35 psi | 15-20 cm 6-8 inch |
| | Airless, Air Assisted, Electrostatic | Airless spray set up should have a 28:1 pump ratio and an air supply of 520 - 650 kPa (80 - 100 psi). Apply one mist coat, allow to flash off then apply one full coat. Consult the manufacturer's instructions. | | |

Date: 20th July, 2021

Technical Data Sheet




Version: 02

Product Preparation cont.

| | | | |
|---|-------------------------------------|------------------------------|--|
|  | Number of coats | 3 | Apply one light coat followed by two even full coats. Avoid heavy wet coats. |
|  | DFT Recommended | 50 µm 2.0 mils | |
|  | Flash off time @ 25°C (77°F) | 5 min between coats | |
|  | Drying | Air Dry @ 25°C (77°F) | Dry to handle: 4 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. |
|  | 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 Concept Paints cleaner such as Concept 035 Gunwash or 808 Multi-Thinner

Dry Film Properties

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

| | |
|--------------------------|-------|
| Gloss 60/20° | 92/84 |
| Water resistance | Good |
| Petrol resistance | Good |
| Durability | Good |

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Version: 02

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|-----------------------------|---|
| 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 |
|----------------|------------------------------|--------------|
| INXXXXXXXXXXXX | Unicote 300 Tinters | 1L, 4L |
| INXXXXXXXXXXXX | Unicote 300 Metallic Tinters | 1L, 4L |
| INXXXXXXXXXXXX | Unicote 300 Reduced Tinters | 1L |
| IN3999003000X | 399 Flattening Base | 1L 4L |
| IN32290000020 | 322 QD Enamel Economy Base | 20L |
| IN8049200000X | 804 Enamel Thinner | 1L, 4L, 20L |
| AU8109200000X | 810 Retarder 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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