

Technical Data Sheet

| Product Name | |
|-------------------|---|
| Full Product Name | 2K Matt Black |
| Type of Product | 2K matt acrylic urethane Black |
| Description | Concept 2K Matt Black is a high performance 2K Black coat, designed specifically to achieve a matt finish (10-15% gloss level), replicating the latest OEM matt offering. It is characterized by excellent flow, high chemical resistance, and hardness properties. |

| Products | | | | | | |
|----------------------------|-----------------|-----------------|---------|------------|-------|------------|
| Product Name | Volume Solids % | Weight Solids % | Density | | VOC | |
| | | | g/mL | lbs/US gal | g/L | lbs/US gal |
| 2K Matt Black | 40.7 | 49.6 | 1.030 | 8.60 | 519.5 | 4.34 |
| MS Uni Hardener Slow | 35.4 | 40.9 | 1.004 | 8.38 | 593.8 | 4.96 |
| MS Uni Hardener Normal | 33.3 | 39.9 | 0.986 | 8.23 | 593.1 | 4.95 |
| MS Uni Hardener Fast | 33.6 | 40.2 | 0.968 | 8.08 | 578.3 | 4.83 |
| MS Uni Hardener Super Fast | 31.5 | 38.9 | 0.938 | 7.83 | 572.7 | 4.78 |
| 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 |

| Properties |
|--------------------------------|
| • High performance |
| • Fast drying |
| • Excellent through cure |
| • Excellent levelling and flow |
| • Even matt gloss effect |

Substrates

- Concept HS 2K Primer
- Concept HS 2K Europrima (4:1), Concept Unicolour fully cured
- Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels

Substrate Preparation






All Substrates

All surfaces must be cleaned with Concept Wax & Grease Remover and free from any contamination prior to application.

Product Preparation



| | | Concept 2K Matt Black | Concept MS Uni Hardener | Concept MS-22 Hardener |
|---|--------------------|---|-------------------------------|------------------------------|
| Mixing Ratio 2:1 (by volume) | Large areas | 2 parts | - | 1 part |
| | Small areas | 2 parts | 1 part | - |
| | Reducer | Up to 10% (v/v) of Concept 2K Thinner, if required. | | |
| Pot life @ 25°C (77°F) | 2-3 hours | | | |
| Spray viscosity @ 25°C (77°F) | BSB 4 Cup | 18-19 s | | |
| | Ford 4 Cup | 16-17 s | | |

Product Preparation cont

| 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 |
| | Suction 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 | 1.2-1.3 mm 0.047-0.051" | 40-70 kPa 0.4-0.7 bar 6-10 psi | 15-20 cm 6-8 inch |
| | Number of coats | 2-3 | Apply one coat followed by one or two even full coats. Avoid heavy wet coats. | |
| DFT Recommended | 40-50 µm 1.6-2.0 mils | | | |
| Flash off time @ 25°C (77°F) | 5-10 min between coats | | | |
| Drying | Air Dry @ 25°C (77°F) | 16-24 hours | | |
| | Low Bake @ 50°C (122°F) | 30-40 min | | |

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. |
| NOTE: | Always ensure adequate and thorough flash off of the basecoat before application of this clear coat (otherwise damage to the appearance may occur). |

Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

Dry Film Properties

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

| | |
|----------------------------|------------------------|
| Gloss@ 60° | 4 - 6 GU (Gloss Units) |
| Hardness | Excellent |
| Chemical resistance | Excellent |
| Durability | Excellent |

Product Data

| | |
|-----------------------------|---|
| Colour | Black (matt finish) |
| Theoretical Coverage | Approx. 9.0 m ² /L (325 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 |
|---------------|------------------------|--------------|
| AU4107001000X | 2K Matt Black | 1L, 4L |
| AU2139200000X | MS Uni Hardener Normal | 500 mL, 1L |
| AU2139300000X | MS Uni Hardener Fast | 500 mL, 1L |
| AU7229200000X | MS-22 Hardener | 500mL, 2.5L |
| AU8319200000X | 2K 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.

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

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