

Technical Data Sheet

| Product Name | |
|-------------------|--|
| Full Product Name | 2K Etch Primer |
| Type of Product | 2K acid etch primer |
| Description | Concept 2K Etch Primer is an acid containing etch and primer in one product. This Product is characterized by excellent adhesion and corrosion protection for a wide range of metal substrates. 2K Etch Primer also includes a rust inhibitor and gives a sound surface for the application of primer surfacers and subsequent topcoats. It is used when high performance corrosion and adhesion quality is required. It is Chromate free. |

| Products | | | | | | |
|----------------------|--------------------|--------------------|---------|------------|-------|------------|
| Product Name | Volume Solids % | Weight Solids % | Density | | VOC | |
| | | | g/mL | lbs/US gal | g/L | lbs/US gal |
| 2K Etch Primer Beige | 27.5 | 49.1 | 1.153 | 9.622 | 578.0 | 4.82 |
| 2K Etch Primer Black | 29.7 | 46.2 | 1.071 | 8.938 | 574.8 | 4.80 |
| 2K Etch Catalyst | 1.5 | 3.4 | 0.815 | 6.80 | 782.0 | 6.53 |
| 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 |
|--|
| <ul style="list-style-type: none"> Two in one (etch and primer) |
| <ul style="list-style-type: none"> Excellent drying, adhesion and etching properties |
| <ul style="list-style-type: none"> Chromate free |
| <ul style="list-style-type: none"> Excellent corrosion protection |
| <ul style="list-style-type: none"> Higher build when compared to other 2K Etching Primers |

Substrates

- Mild Steel
- Aluminium
- Galvanised iron, Zincalume, Zinccanear
- Glass reinforced polyester (GRP & general types of fibreglass body parts)
- Sound, cured and properly prepared existing surfaces

Substrate Preparation



All Substrates

All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application. Lightly rusted surfaces must be treated with Concept Light Rust & Metal Converter.

Product Preparation

| | | | | |
|--|---|---------------------------------------|-----------------------------------|-------------------------------------|
| | Mixing Ratio 2:1 (by volume) | | Concept 2K Etch Primer | Concept 2K Etch Catalyst |
| | | | 2 parts | 1 part |
| | Reducer | Concept 2K Thinner, if required. | | |
| | Pot life @ 25°C (77°F) | 4-5 hours | | |
| | Spray viscosity @ 25°C (77°F) | BSB 4 Cup Ford 4 Cup | 15-17 s | 13-15 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 |
| | Airless Air Assisted Electrostatic | Consult the manufacturer's instructions. | | |
| | Number of coats | 2-3 coats | Apply one light coat followed by 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 min between coats | | |
| | Drying | Air Dry @ 25°C (77°F) | 4-6 hours | |
| | Sanding | Wet sand with P600-P800 or Dry sand with P500-P800 before applying finish coat. | | |

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: | Ensure the complete removal of any residue of Rust Converter before applying this primer. |

Equipment Cleaning

Use recommended Concept Paints cleaner

Dry Film Properties

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

| | |
|-----------------------------|-----------|
| Hardness | Excellent |
| Corrosion protection | Good |
| Durability | Very good |

Product Data

| | |
|-----------------------------|---|
| Colour | Beige, Black |
| Theoretical Coverage | Approx. 5 m ² /L (205 ft ² /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 |
|----------------|----------------|----------------------|--------------|
| A03C/2KETCHB | 1326100 | 2K Etch Primer Beige | 1L, 4L |
| A03C/2KETCHBL | 1327000 | 2K Etch Primer Black | 1L, 4L |
| A03C/2KETCHT | 2109000 | 2K Etch Catalyst | 500mL, 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.

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