

Technical Data Sheet

| Product Name | |
|-------------------|---|
| Full Product Name | HS Bar 2K Primer Grey |
| Type of Product | 2K polyurethane primer surfacer for bumper bars |
| Description | Concept HS Bar 2K Primer Grey is a two-in-one primer surfacer designed specifically for use on flexible bumper bars. It is characterised by high filmbuild, excellent adhesion, flexibility, and ease of sanding. |

| Products | | | | | | |
|---------------------------|-----------------|-----------------|---------|------------|-------|------------|
| Product Name | Volume Solids % | Weight Solids % | Density | | VOC | |
| | | | g/mL | lbs/US gal | g/L | lbs/US gal |
| HS Bar 2K Primer Grey | 52.1 | 72.5 | 1.538 | 12.84 | 423.0 | 3.53 |
| Bar Primer Hardener (4:1) | 31.5 | 38.9 | 0.938 | 7.83 | 572.7 | 4.78 |
| 2K Thinner Fast | 0.0 | 0.0 | 0.872 | 7.27 | 871.5 | 7.27 |
| 2K Accelerator | 0.9 | 1.1 | 0.877 | 7.32 | 866.8 | 7.23 |

| Properties |
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| <ul style="list-style-type: none"> • Excellent Flexibility |
| <ul style="list-style-type: none"> • High build |
| <ul style="list-style-type: none"> • Excellent levelling and flow |
| <ul style="list-style-type: none"> • Easy to sand |

| Substrates |
|---|
| <ul style="list-style-type: none"> • New and after market bumper bars |
| <ul style="list-style-type: none"> • Concept Plastic Primer |
| <ul style="list-style-type: none"> • Polyester spray filler |
| <ul style="list-style-type: none"> • Glass reinforced polyester (GRP & general types of fibreglass body parts) |
| <ul style="list-style-type: none"> • Sound, cured and properly prepared existing surfaces |

Substrate Preparation




All Substrates

- All surfaces must be thoroughly sanded and then cleaned with Concept Antistatic Cleaner prior to application.
- Spray one to two coats of Concept Plastic Primer and allow to flash off for 20 minutes.



Product Preparation

| | | | | | |
|--|---|---|--|---|--|
| | Mixing Ratio 4:1 (by volume) | | | Concept HS Bar 2K Primer Grey | Concept Bar Primer Hardener (4:1) |
| | | | | 4 parts | 1 part |
| | Reducer | Up to 20% (v/v) of Concept 2K Thinner Fast. Add 5% Concept 2K Accelerator, if needed | | | |
| | Pot life @ 25°C (77°F) | 2-3 hours | | | |
| | Spray viscosity @ 25°C (77°F) | BSB 4 Cup Ford 4 Cup | 25-27 s 22-24 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 |
| | | 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 | 40-60 µm 1.6-2.4 mils | | | |
| | Flash off time @ 25°C (77°F) | 5 min between coats | | | |

Product Preparation cont.

| | | |
|--|-----------------------------------|----------------------|
|  Drying | Air Dry @ 25°C (77°F) | To handle: 3-4 hours |
| | Low Bake @ 60°C (140°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. |

Equipment Cleaning

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| Use recommended Concept Paints cleaner |
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Dry Film Properties

| | |
|--------------------|---|
| | After 7 days drying, <u>when compared to similar technology products.</u> |
| Hardness | Excellent |
| Flexibility | Excellent |
| Durability | Excellent |

Technical Data Sheet

| Product Data | |
|----------------------|---|
| Colour | Grey |
| Gloss | Matt |
| Theoretical Coverage | Approx. 5.5 m ² /L (225 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 |
| A03D/2KBARPR | 1816200 | HS Bar 2K Primer Grey | 4L |
| A03D/2KBARPHARD | 2519200 | Bar Primer Hardener (4:1) | 1L |
| A08C/2KTHF | 8319300 | 2K Thinner Fast | 1L, 4L, 20L |
| A04C/2KACC | 0319000 | 2K Accelerator | 1L |

| Safety |
|---|
| <p>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.</p> <p>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</p> |

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This Technical Data Sheet supersedes all previous issues.

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