








## Technical Data Sheet

# COBRA

## Bedliner

| PROPERTIES   |  |              |              |
|--|--|--------------|--------------|
| COBRA forms a fine-grained scratch-resistant coating. Protects against petrol, oil, water and salt. The product also has sound-proof and sound-dampening properties. It is UV resistant. Based on synthetic resins, it does not contain asphalt or bitumen compounds, and can be coated with any acrylic paints. |  |              |              |
| USE  |  |              |              |
| Can be applied on chassis, body panels, boot interiors, SUV body floors, tube guards, wheel arches, off-road vehicle load bodies, and truck and bus floors.  |  |              |              |
| SUBSTRATES   |  |              |              |
| Two-component acrylic primers  | Dry sand, finish level with P240 - P320, blow off the dust and degrease.   |              |              |
| Polyester putties  | Dry sand, finish level with P240 - P320, blow off the dust and degrease.   |              |              |
| Epoxy primers  | No sanding for up to 12 hours, sand with P320 afterwards, blow off the dust and degrease.                          |              |              |
| Steel  | Apply on the epoxy, acrylic primers or the existing layer of the 2K coat when sanded down.                         |              |              |
| Stainless steel  | Apply on the epoxy, acrylic primers or the existing layer of the 2K coat when sanded down.                         |              |              |
| Plastics   | Degrease with PLUS 780, matt with an abrasive cloth, degrease again. Apply the PLUS 700 Adhesion Increasing Agent. |              |              |
| Polyester laminates  | Degrease, dry sand with P280, blow off the dust and degrease again.  |              |              |
| VOC CONTENT  |  |              |              |
| VOC II/B/e limit*  |  |              | 840 g/l      |
| Actual VOC (UBS gun)   |  |              | 460 g/l      |
| Actual VOC (conventional gravity-fed spray gun)  |  |              | 530 g/l      |
| * For ready to apply mixture acc. to EU Directive 2004/42/EC   |  |              |              |
| MIXING RATIO   |  |              |              |
| UBS gun  |  |              |              |
| Shake the container for approx. 1 min before use, add the Hardener, and shake for another 2 min.   |  |              |              |
|   | 4.0 mm nozzle for thick textured layers  |              |              |
|  |  | Weight ratio | Volume ratio |
|  | COBRA Black / COBRA for Color  | 100          | 3            |
| Hardener   | 26   | 1            |              |

| Conventional gravity-fed spray gun   |  |                           |                                    |                     |
|--|--|---------------------------|------------------------------------|---------------------|
| Shake the container for approx. 1 min before use, add the Hardener with THIN 850, and mix.   |  |                           |                                    |                     |
|   | 2.5 mm nozzle for moderately textured layers                                     |                           |                                    |                     |
|  |  | Weight ratio              | Volume ratio                       |                     |
|  | COBRA Black / COBRA for Color  | 100                       | 3                                  |                     |
|  | Hardener   | 26                        | 1                                  |                     |
|  | THIN 850   | 0 - 4                     | 0 - 5 %                            |                     |
| 1.4 - 1.8 mm nozzle for fine textured layers   |  |                           |                                    |                     |
|  |  | Weight ratio              | Volume ratio                       |                     |
| COBRA Black / COBRA for Color  | 100  | 3                         |                                    |                     |
| Hardener   | 26   | 1                         |                                    |                     |
| THIN 850   | 17 - 20  | 25 - 30 %                 |                                    |                     |
| Apply the thinner in the amount calculated for COBRA Black / COBRA for Color.  |  |                           |                                    |                     |
| APPLICATION CONDITIONS   |  |                           |                                    |                     |
| It is recommended to apply the product at over 15°C and humidity of 80% or lower.  |  |                           |                                    |                     |
| APPLICATION  |  |                           |                                    |                     |
|  <p><b>CAUTION:</b> Follow the equipment manufacturer's guidelines</p>  |  | UBS gun                   | Conventional gravity fed spray gun |                     |
|  | Nozzle   | 4.0 mm                    | 2.5 mm                             | 1.6 - 1.8 mm        |
|  | Pressure   | 2 - 4 bar                 | 2 - 4 bar                          | 2 bar               |
|  | Distance   | 20 - 40 cm                | 20 - 40 cm                         | 10 - 15 cm          |
|   | Single dry layer thickness   | 200 - 250 µm              | 100 - 120 µm                       | 70 µm               |
|  | The yield of the ready to use mixture for the given range of dry layer thickness | 2 - 2.5 m <sup>2</sup> /l | 4.5 m <sup>2</sup> /l              | 6 m <sup>2</sup> /l |
|  | Number of layers   | 1 - 2                     |                                    |                     |
|   | Mixture life at 20° C  | 1h                        |                                    |                     |
|   | Flash-off time between layers at 20°C  | 20 - 25 min               | 15 min                             | 10 min              |
| <ul style="list-style-type: none"> <li>Apply in one or two single coats.</li> <li>The texture grain depends on the nozzle size and the thinning ratio.</li> <li>The time to recoat for the UBS gun is 20 - 25 min and for the conventional gravity-fed gun is 10 - 15 min.</li> <li>Do not apply on the exhaust system or the engine.</li> </ul> |  |                           |                                    |                     |

| IR DRYING  |  |
|--|--|
|   | Drying with IR lamps is not recommended. |
| PAINT CABIN DRYING   |  |
| <ul style="list-style-type: none"> <li>After the lapse of 2 hours from applying the last layer, hold COBRA at 40°C. Recommended holding time: 1 hour.</li> <li><b>IMPORTANT!</b> The holding process will only accelerate the first curing stage. For heavy duty use, it is recommended to wait 7 days after application before using the coating.</li> </ul>  |  |
| CURING TIMES   |  |
| Dust-free  | 45 - 60 min/ 20°C                        |
| Tack-free  | 3 h/ 20°C                                |
| Operating hardness   | 3 days/ 20°C                             |
| Ending hardness  | 7 days/ 20°C                             |
| TOP COATING  |  |
| <ul style="list-style-type: none"> <li>COBRA is coatable with basecoats, clearcoats and direct topcoats.</li> <li>Wait a minimum of 3 hours before coating. Mat down the topcoat after 24 hours after applying COBRA. Use a needle cloth or sand paper. Next, degrease with PLUS 780.</li> </ul>   |  |
| COBRA ANTI-SLIP ADDITIVE   |  |
| <ul style="list-style-type: none"> <li>The COBRA Anti-Slip Additive is recommended for producing a surface texture with full anti-slip properties.</li> <li><b>APPLICATION:</b> Add the correct amount of the Anti-Slip Additive to COBRA, mix thoroughly for 1-2 minutes, add the hardener, and mix again for ca. 1 minute.</li> <li><b>IMPORTANT!</b> The obtained anti-slip properties will depend on the applied texture. Perform a test application beforehand. Wear safety glasses.</li> </ul> |  |
| COLOUR   |  |
| <ul style="list-style-type: none"> <li>Black</li> <li>Pigmented version: Use 10% to 15% of Spectral 2K or Spectral Base pigment pastes by weight (of Component A).</li> </ul>  |  |
| EQUIPMENT CLEANING   |  |
| THIN 850 acrylic thinner or NC solvent   |  |
| STORAGE CONDITIONS   |  |
| Store in a cool dry room, away from sources of fire and heat. Avoid direct exposure to sunlight.   |  |
| SHELF LIFE   |  |
| COBRA Black / COBRA for Color  | 18 months/20°C                           |
| Hardener   | 18 months/20°C                           |
| THIN 850   | 24 months/20°C                           |

| SAFETY   |
|--|
| See the Safety Data Sheet.   |
| OTHER INFORMATION  |
| The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to perform a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control. |

| COBRA Black |      |          |      |
|-------------|------|----------|------|
| COBRA Black |      | Hardener |      |
| L           | g    | L        | g    |
| 0.3         | 383  | 0.1      | 100  |
| 0.6         | 765  | 0.2      | 200  |
| 1.0         | 1275 | 0.33     | 330  |
| 2.0         | 2550 | 0,65     | 665  |
| 3.0         | 3825 | 1        | 1000 |

| COBRA for Color |      |           |           |          |      |
|-----------------|------|-----------|-----------|----------|------|
| COBRA for Color |      | Pigment   |           | Hardener |      |
| L               | g    | ml        | g         | L        | g    |
| 0.3             | 383  | 30 ÷ 45   | 33 ÷ 50   | 0.1      | 100  |
| 0.6             | 765  | 60 ÷ 90   | 66 ÷ 100  | 0.2      | 200  |
| 1.0             | 1275 | 100 ÷ 150 | 110 ÷ 165 | 0.33     | 330  |
| 2.0             | 2550 | 200 ÷ 300 | 220 ÷ 330 | 0,65     | 665  |
| 3.0             | 3825 | 300 ÷ 450 | 330 ÷ 500 | 1        | 1000 |

| COBRA Black with anti-slip additive |      |                    |     |          |      |
|-------------------------------------|------|--------------------|-----|----------|------|
| COBRA Black                         |      | Anti-slip additive |     | Hardener |      |
| L                                   | g    | ml                 | g   | L        | g    |
| 0.3                                 | 383  | 50                 | 80  | 0.1      | 100  |
| 0.6                                 | 765  | 100                | 160 | 0.2      | 200  |
| 1.0                                 | 1275 | 180                | 260 | 0.33     | 330  |
| 2.0                                 | 2550 | 350                | 510 | 0,65     | 665  |
| 3.0                                 | 3825 | 500                | 765 | 1        | 1000 |

| COBRA for Color with anti-slip additive |      |           |           |                    |     |          |      |
|---|------|-----------|-----------|--------------------|-----|----------|------|
| COBRA for Color                         |      | Pigment   |           | Anti-slip additive |     | Hardener |      |
| L                                       | g    | ml        | g         | ml                 | g   | L        | g    |
| 0.3                                     | 383  | 30 ÷ 45   | 33 ÷ 50   | 50                 | 80  | 0.1      | 100  |
| 0.6                                     | 765  | 60 ÷ 90   | 66 ÷ 100  | 100                | 160 | 0.2      | 200  |
| 1.0                                     | 1275 | 100 ÷ 150 | 110 ÷ 165 | 180                | 260 | 0.33     | 330  |
| 2.0                                     | 2550 | 200 ÷ 300 | 220 ÷ 330 | 350                | 510 | 0,65     | 665  |
| 3.0                                     | 3825 | 300 ÷ 450 | 330 ÷ 500 | 500                | 765 | 1        | 1000 |