

MIDOMIX SYSTEM

Basecoat

Technical Data Sheet

Description

Mido mix basecoat is a high-quality, conventional basecoat for all clear- over-base system.it can be applied universally to all passenger cars, buses and commercial vehicles.



Features

Easy and reliable application.
 Excellent Covering Power.
 For better results, it can be over coated with MIDO Clear coats or other clears.
 Software is available on CD, also on Mobile APP (MIDOMIX).
 Through the mixing system, you can obtain any color easily, quickly and accurate.
 System tints is includes 2 Magic colors.

Technical Data

Color	Complete tinting system
Spray gun nozzle	1.3 – 1.4 mm
Air Pressure	1.8 – 2 bar at air let
Number of coats	2-3 coats or as Covering power
Viscosity / Ford Cup #4 (25° C)	18 – 20 Seconds
Flash off	5 – 10 according to weather temperature
Dry film thickness	15 – 25 micron
Theoretical Spreading Rate	6 - 8 m ² /L

The information this data sheet is given to the best of our knowledge based on laboratory testing and Practical experience. However, as the product is often used under conditions beyond our control we can't guarantee anything but the quality of the product itself.

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Pre-treatment

Old or original paintwork must be sanded and cleaned.
 Primer-Surfacer or Surfacer (Filler), sanded and cleaned
 Repair areas should be sanded with P-500P600 (by machine) or P-800P1000 (by hand) and cleaned then degreased well.

Product Preparation / STD Application

-1 Application for 2 stage colors

	<p>It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation</p>									
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	<p>Prepare the desired color with suitable quantity and mix it well with Mido mix thinner A1 or 710 till getting homogenous viscosity.</p> <table border="1" data-bbox="427 1320 1432 1444"> <thead> <tr> <th></th> <th>Volume</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>MIDOMIX Base Coat (Color)</td> <td>100</td> <td>100 gm</td> </tr> <tr> <td>MIDOMIX Thinner A1 / 710</td> <td>80 - 100</td> <td>80 - 100 gm</td> </tr> </tbody> </table> <p>-Test the gun nozzle as manufacture recommendation. -Respect the weather temperature and humidity by choosing the suitable type and quantity of thinner</p>		Volume	Weight	MIDOMIX Base Coat (Color)	100	100 gm	MIDOMIX Thinner A1 / 710	80 - 100	80 - 100 gm
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	<p>Pot life at 20°C: 6 hrs.</p>									




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Product Preparation / STD Application

	<p>DIN 4: 18 - 20 s at 20°C</p>
	<p>HVLP spray gun 1.3-1.4 / 1.8 – 2 bar at the nozzle</p>
	<p>Number of spray coats: 2-3 Coats or as system recommendation Thickness: 15 – 25 µm Flash – Off: 5 minutes between each coats Final flash-off: 10 min - 15 min before applying the clear coat</p>



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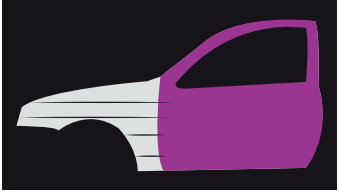

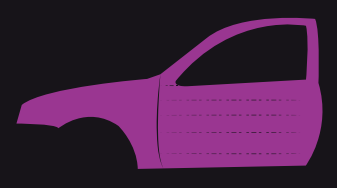

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Product Preparation / STD Application

Blending system for 2 stage colors

	<p>Apply one coat of B900 Blinder to adjacent panels or To the blending area around the spot repair. (This operation is optional)</p>
	<p>Spray the area on which the Surfacer was applied with Polymix Base Coat so that it forms an opaque film.</p>
	<p>Extend the area of application of each subsequent coat through a process of overlapping so that only a fade out area is left.</p>
	<p>Extend this fade out area and blend, spraying with reduced pressure.</p>
	<p>After flash-off, MIDO Clears Coat is applied to the entire repair area.</p>

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Product Preparation / STD Application

-1 Application for 3 stage colors

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	<p>Old or original paintwork must be sanded and cleaned. Primer-Surfacer or Surfacer (Filler), sanded and cleaned Repair areas should be sanded with P-500/P600 (by machine) or P-800 P1000 (by hand) and cleaned then degreased well.</p>																		
	<p>Prepare the desired ground coat color with suitable quantity and mix it well with Mido mix thinner A1 or 710 till getting homogenous viscosity.</p> <table border="1" data-bbox="440 1024 1490 1150"> <thead> <tr> <th></th> <th>Volume</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>MIDOMIX Base Coat (Ground Coat)</td> <td>100</td> <td>100 gm</td> </tr> <tr> <td>MIDOMIX Thinner A1 / 710</td> <td>80 - 100</td> <td>75 - 93 gm</td> </tr> </tbody> </table> <p>- Apply 2 -3 coats till full hiding with intermediate flash off 5 min - 10 min. - Respect final flash of 10- 15 Min before applying the pearl color. - Prepare the desired Pearl / Xirrallic color with suitable quantity and mix it well with Mido mix thinner A1 or 710 till getting homogenous viscosity.</p> <table border="1" data-bbox="440 1335 1490 1461"> <thead> <tr> <th></th> <th>Volume</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>MIDOMIX Base Coat (Ground Coat)</td> <td>100</td> <td>100 gm</td> </tr> <tr> <td>MIDOMIX Thinner A1 / 710</td> <td>50 - 80</td> <td>46 - 75 gm</td> </tr> </tbody> </table>		Volume	Weight	MIDOMIX Base Coat (Ground Coat)	100	100 gm	MIDOMIX Thinner A1 / 710	80 - 100	75 - 93 gm		Volume	Weight	MIDOMIX Base Coat (Ground Coat)	100	100 gm	MIDOMIX Thinner A1 / 710	50 - 80	46 - 75 gm
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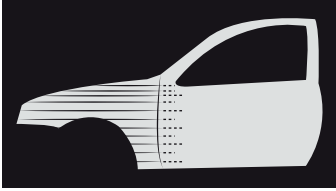
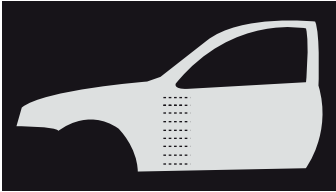
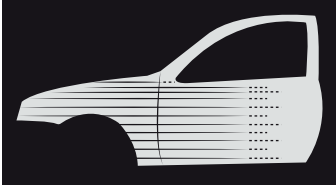
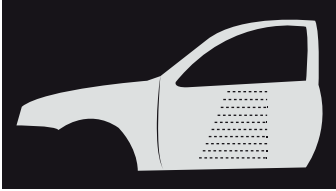
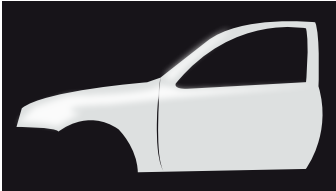
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Product Preparation / STD Application

Blending system for 3 stage effect colors

	<p>Spray the area on which the Surfacer was applied with MIDOMIX Basecoat (Undercoat color) so that it forms an opaque film and extend the area of application of each subsequent coat through a process of overlapping.</p>
	<p>Mix the ready-to-spray Mido Mix Base Coat 1:1 with Reducer A710/1 to reduce it further and create a light, translucent fade out.</p>
	<p>Spray Midomix Pearl Base Coat on the same area, extending The area of application of each coat through a process of overlapping to ensure that it matches the original finish.</p>
	<p>Mix the ready-to-spray Midomix Pearl Base Coat 1:1 with Reducer A710/1 to reduce it further and evenly fade out the Overlapping area.</p>
	<p>After flash-off, MIDO Clears Coat is applied to the Entire repair area.</p>

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Remarks

Material has to be at room temperature (18-25 °C) before use.

New mixing toners/tints should be adequately stirred before using as part of a color formulation.
2K Hardened Basecoat is necessary for higher film thicknesses (>40µ) e.g. poor hiding colors, under hood painting and 3 stage ground colors.

The choice of Reducer should be made according to application temperature and size of repair.
Film Thickness: 15 - 25 µm Effect colors / 20 - 40 µm Solid colors.

Theoretical coverage 6 – 8 m²/l.

Note: The practical material consumption depends on several factors, e.g. geometry of the object surface formation, application method, spray gun setting and type, inlet pressure, etc.

Packing 3.75 / 1 Liter.

Shelf life 3 years from the date of production at around %65 humidity and 25 °C.

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