MATRIX BASECOAT (Binder system)

Product Description

- Matrix Basecoat (Binder system) is a base coat for metallic Pearl or solid color, use both in Clear over base system and 2 component top coat solid color. It's quick dryness and easy to apply under non-mottling, good adhesion high hiding power.
- Binder system component

1) Solid toner 2) Metallic toner 3) Pearl toner
4) 1K Binder [MB150]
5) 2K Binder [MB021]
6) Hardener
7) Flip flop control agent
8) Thinner

Substrate preparation

- Primer sanding, dry sanding no.400-500 or wet sanding 600-800
- Ensure that surface of the previous coat was clear and dry free form dirt, rust, grease, oil and other foreign matters.
- Degreasing and clearing with Matrix Silicone off

Mixing Ratio

- Matrix Basecoat 1K (Clear over base system)

	Solid	Metallic & Pearl
Matrix toner	50%	30%
Matrix 1K Binder	50%	70%
Thinner	40-50%	70-100%

- Matrix Basecoat 2K

	Solid
Matrix toner	50%
Matrix 2K Binder	50%
Matrix hardener	25%
Thinner	40-50%

Thinner

Matrix Standard Thinner No.20 or Matrix Slow Dry Thinner No.30

Clear coating

Apply 2K Clear topcoat for Matrix Basecoat 1K

Viscosity For Spray

Viscosity Cup	Viscosity (sec) @30°C
Ford Cup No. 4	14 - 16

Spray gun Gravity Feed

Set-up Full pattern, Flow - 2.5 turns from fully closed set-up

Nozzle size 1.3 - 1.4 mm. (Please refer to spray gun manufacturer)

Spray pressure 1.5 - 2.0 Bar

Number of spray coats Recommended apply 2-3 coats

- Matrix Basecoat 1K

Full wet first coat
Full wet second coat
Drop third coat
Solid, dry film thickness : 30 - 40 microns
Metallic, dry film thickness : 15 - 25 microns
Pearl, dry film thickness : 15 - 25 microns

- Matrix Basecoat 2K

Full wet first coat and second coat

Dry film thickness : 40 to 60 microns

Flash off time

Between coats : 3-5 mims

Drying time

- Matrix Basecoat 1K

Drying time	Air dry (30 ^{o}C)
Surface dry	3 - 5 mins
Dry to recoat	5 - 10 mins
Dry to top clear	5 - 10 mins

- Matrix Basecoat 2K

Drying time	Air dry (30 ^{o}C)	Baking (30 mins / 60 ^{o}C)
Surface dry	5 - 10 mins	-
Polishing time	4 - 6 hours	-
Dry to assembly	2 hours	1 hours

Handling and Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition.

Shelf life

- 48 months at <40 ^{0}C

Safety and Disposal

- Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.
- For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Safety Data Sheet.