



WASHINTA

WASHINTA CHEMICAL COATING CO., LTD

TEL: (+86 758)3602 112 FAX: (+86 758)6620 300

E-mail: edm@washinta.com

URL: www.washinta.com

Address: No.13 Baoshi Road, Da Wang industrial Zone Zhaoqing, CHINA



Wechat QR Code

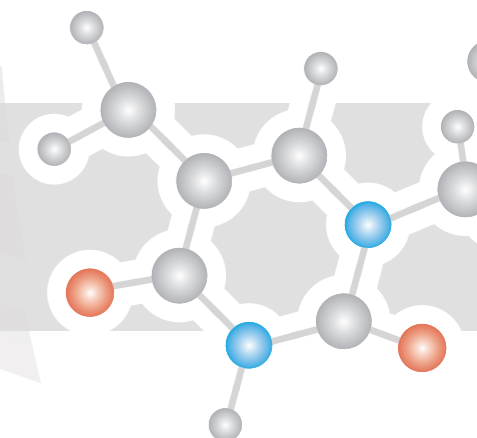


BESNEY[®]

PRODUCT CATALOGUE

PROFESSIONAL REFINISH SYSTEM

COMPREHENSIVE AND FULL CAPABILITY
HIGH PERFORMANCE COATINGS
ADVANCED FORMULA



PROFESSIONAL REFINISH SYSTEM

Quality lights sharp color

BESNEY®

AUTOMOTIVE REFINISH

COMPREHENSIVE AND FULL CAPABILITY
HIGH PERFORMANCE COATINGS
ADVANCED FORMULA

- Solid Color
- Mettalic Basecoat
- Pearl Basecoat
- Clear coat
- Hardener
- Thinner
- Primer



BESNEY® Car Paint, As the flagship product of WASHINTA automotive refinish paint, it has been recognized and respected by the industry with its unique innovative technology, stable quality, accurate color and excellence.



Wechat QR Code








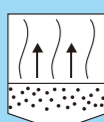

CONTENTS

Besney 2K Solid Colors.....	1
Besney 1K Basecoat Colors.....	2
DW-10 MS Clearcoat.....	3
DW-2K Series Hardener.....	4
DW-36 Thinner.....	5
DW-40 1K Primer.....	6
DW-60 2K Primer.....	7
DW-50 Epoxy Primer.....	8
DW-700 MS Plastic Primer.....	9
DW-702 Fade Out Thinner.....	10
DW-703 Degreaser.....	10
DW-704 Matt Agent.....	11
DW-705 1K Binder / DW-709 Flip Controller.....	11
DW-706 Accelerator.....	12
DW-707 Retarder.....	12

Besney 2K Solid Colors

1. 3XX DW-2K solid colors
2. **Features:** Good leveling, hard paint film, good gloss, bright and durable color.
3. **Substrate:** Dried and sanded existing finishes, 1k or 2k primer.









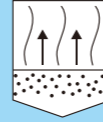
	Surface Cleaning: Remove wax silicon and other contamination with degreaser.					
 	Mixing Ratio (Volume)	Solid Colors	+	Hardener	+	Thinner
		2		1		0.2~0.5
	<18℃	DW-2K Solid Colors		DW-20 Fast		DW-36 Normal/Fast
	18-24 ℃	DW-2K Solid Colors		DW-20 Normal		DW-36 Normal/Fast
	25-30 ℃	DW-2K Solid Colors		DW-20 Normal		DW-36 Normal/Fast
	>30 ℃	DW-2K Solid Colors		DW-20 Slow		DW-36 Slow
	Port Life at 25℃: 2 hours with DW-20 Fast Drying Hardener; 4 hours with DW-20 Normal Hardener or DW-20 Slow Drying Hardener.					
 	Spray Gun & Pressure	Gravity Feed: 1.2~1.4mm Suction Feed: 1.3~1.4mm				
		Conventional: 3~4bar RP:2.0~2.5bar HVLP: 2.0bar				
 	Coats & Thickness	2~3Coats, 40~60µm				
	Flash-Off Time	At 25℃, 5~10 minutes between coats				
	Air-Drying Time	Allow 15~20 minutes air-drying time before force drying				
	Drying Time:					
	Temperature	Dust Time	Tack Free	Dry to Handle	Thorough Dry	
	20℃	45 minutes	2~3 hours	10 hours	16 hours	
	60℃	5 minutes	15 minutes	30 minutes	60 minutes	

- Note:**
1. The substrate must be sanded and cleaned before spray. Wet Sanding: P600~P800, Drying Sanding P400~P600
2. At temperature lower than 15°C, air-dry at ambient temperature is not recommended.
3. At ambient temperature higher than 30°C, add retarder solvent into thinner to avoid blushing. For detail, please refer to the technical date sheet of Retarder paint.
4. In the event of fisheyes during application, add 0.5~1%Anti-silicon in the paint remained and respray the affect area.
5. In the overspray area of new and existing finish. apply directy fade out thinner to achieve an invisible transition. For details please refer to the technical date sheet of Fade out thinner.
6. The products mixed with hardener should be used up soon and can not restore for future use.
7. Clean application tools immediately with solvent after application.
8. If there are particles or runs after spray, and the affect area with P1200~P2000 sand paper after thorough drying, then polish to solve the problem.
9. Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging:1L or 4L

Besney 1K Basecoat Colors

1. 4XX DW-1K Basecoat colors, 5XX Metallic effect, 6XX Pearl effect.
2. **Features:** made from weathering resistant resins, strong coverage power, excellent adhesion power
3. **Substrate:** Dried and sanded existing finishes, 1k or 2k primer



	Surface Cleaning: Remove wax silicon and other contamination with degreaser.			
 	Mixing Ratio (Volume)	Basecoat Colors	+	Thinner
		1		0.8~1
	<15°C	DW-1K Basecoat Colors		DW-36 Fast
	15-30 °C	DW-1K Basecoat Colors		DW-36 Normal/Slow
	>30 °C	DW-1K Basecoat Colors		DW-36 Extra Slow
 	Spray Gun & Pressure	Gravity Feed: 1.2~1.4mm Suction Feed: 1.3~1.5mm		
		Conventional: 3~4bar RP: 2.0~2.5 bar HVLP: 2.0 bar		
 	Coats & Thickness	2~3 Coats, 15~25µm		
	Flash-Off Time	At 25°C, 5~10 minutes between coats		
	Air-Drying Time	Allow 15-20 minutes air-drying time before applying clear coat.		









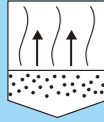

- Note:**
1. The substrate must be sanded and cleaned before spray, Wet Sanding: P600~P800, Drying Sanding P400~P600
2. At temperature over 30°C or in high humidity, it is recommended to use retarder solvent to avoid mottling, air-dry at ambient temperature is not recommended.
3. because of the high transparency of metallic basecoat, good quality spray gun and professional spray techniques are required in order to prevent defects of mottling poor metallic effects
4. To avoid problems of mottling or poor adhesion the metallic paint film should not be thicker than 25µm.
5. Better effect could be achieved if the extra silver powder could be removed with tack rag after the flash-off of each coat.
6. After spray, allow 10~15 minutes air-drying time, then spray clearcoat at once. over long air drying time would affect the adhesion power.
7. Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging:1L or 4L

DW-10 MS Clearcoat

1. **Features:** Two -component acrylic polyurethane mediums solid clearcoat. Especially formulated for spraying over basecoat to give it very high gloss and excellent appearance. It owns high chemical resistance and excellent gloss retension.

2. **Substrate:** Existing Finishes after Spraying 1K Basecoat.



	Surface Cleaning: Remove wax silicon and other contamination with degreaser.					
 	Mixing Ratio (Volume)	Clear Coat	+	Hardener	+	Thinner
		2		1		0.1~0.2
	<18℃	DW-10		DW-20 Fast		DW-36 Fast
	18-24 ℃	DW-10		DW-20 Normal		DW-36 Normal/Slow
	25-30 ℃	DW-10		DW-20 Normal		DW-36 Slow /Extra Slow
	>30 ℃	DW-10		DW-20 Slow		DW-36 Extra Slow
 	Port Life at 25℃: 2 hours with fast-dry DW-20 Hardener; 4 hours with DW-20 Normal Hardener or DW20 Slow Hardener. Viscosity: 17-22 Seconds DIN.4 cup at 25℃.					
	 	Spray Gun & Pressure	Gravity Feed: 1.2~1.4mm Suction Feed: 1.3~1.4mm			
Conventional: 3~4bar RP:2.0~2.5bar HVLP: 2.0bar						
 	Coats & Thickness	2~3Coats, 40~60µm				
	Flash-Off Time	At 25℃, 5~10 minutes between coats				
	Air-Drying Time	Allow 15~20 minutes air-drying time before force drying				
	Drying Time:					
	Temperature	Dust Time	Tack Free	Dry to Handle	Thorough Dry	
	25℃	30 minutes	2 hours	6 hours	12 hours	
	60℃	5 minutes	15 minutes	30 minutes	50 minutes	

- Note:

1. At temperature lower than 15°C, air-dry at ambient temperature is not recommended. Allow a full bake at 60°C

2. In the event of fisheyes during application, add 0.5-1%anti-silicon in the paint remained and respray the affected area.

3. In the overspray area of new and existing finish, apply directly fade out thinner achieve an invisible transition. Details please refer to the technical date sheet of Fade out thinner.

4. The Products mixed with hardener should be used up soon and can not restore for future use.

5. Clean equipments immediately with solvent after application

6. f there are particles or runs after spray, sand the affected area with P1200-P2000 sand paper after thorough drying, then polish to solve the problem.

7. Shelf life: 2 years in original sealed can at cool and dry place at 25°C.

DW-2K Series Hardener

- Features:

1. Specially designed for DW-2K or and clearcoat.

2. A series of yellow resistant hardener for auto paint.

3. To match differenent products, application area and conditions.

4. It includes various versions as standard, fast, slow drying and medium solid hardener and so on.

Match with: DW-2k Solid Colors, DW-10 MS ClearCoat



DW-20 Fast Hardener	Medium solid fast drying hardener for topcoat, suitable for spot repair and low temperature application below 18°C
DW-20 Standard Hardener	Medium solid standard drying hardener for topcoat, suitable for spot repair and overall refinish at 18~30°C.
DW-20 Slow Hardener	Medium solid slow drying hardener for topcoat, suitable for spot repair and overall refinish above 30°C.

- Note:

1. Choose right hardener according to temperature, humidity and drying condition, generally, better to use fast drying hardener below 18°C, standard hardener at 18~30°C and slow drying hardener above 30°C .

2. Please seal the can tightly after use as hardener is sensitive to moisture. Absorption of moisture can lead to chemical reaction and concreting. Please keep away from direct sunlight in storage.

3. Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging: 0.5L,1L or 2.5L

DW-36 Thinner

Features:

- 1. High quality thinner, specially developed for DW primer, basecoat and topcoat
- 2. Available with fast, standard, slow and extra slow drying speed to match different products and different application requirements.

Usage: To reduce the application viscosity, increase the smoothness of paint film Good solubility.

Characteristic:



DW-36 Fast	1K basecoat only, with very fast evaporation speed, suitable for spot repair or application below 15°C.
DW-36 Normal	Standard thinner for 1K basecoat and 2K products, with medium evaporation speed, suitable for spot repair or application at 15~25°C.
DW-36 Slow	For 1K basecoat and 2K products, with slow evaporation speed, suitable for spot repair or overall refinishing or application at 25~30°C.
DW-36 Extra Slow	2K products only, with very slow evaporation speed, suitable for overall refinishing, large area application or application over 30°C.

Note:




- 1. If the temperature and humidity are too high, 10~30% DW707 Retarder Solvent can be added.
- 2. Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging:1L, 4L or 5L.

DW-40 1K Primer

characteristic: Fast drying one pack primer surfacer, suitable to cover minor defects in surface of putty or existing finish. It is easy to apply with good filling power and ease of sanding for economical refinishing.

Substrate: Dried and sanded existing finishes and putty.



	Surface Cleaning: Remove wax, grease or other contaminations with degreaser.
 	<div>Mixing Ratio<div>(Weight)</div>15~25°C</div> <div>1K Primer<div>1</div>DW-40</div> <div>+</div> <div>Thinner<div>1~1.5</div>DW-36</div>

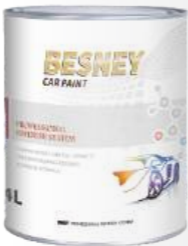
Note:








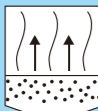




- 1. Not recommended for direct application over substrate of bare metal aluminium and wood.
- 2. Recommended to use 2K Primer to achieve good adhesion to substrate and excellent gloss and film build of the topcoat.
- 3. Not recommended to use thinner of fast drying type.
- 4. Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging:1L or 4L

DW-60 2K Primer

Feathers: Multi-purpose double pack primer filler with strong filling power and fine adhesion between coats, has excellent flexibility and impact resistance which can increase gloss and build of topcoat.

Substrate: Dried and sanded existing finishes, all kinds of primer and putty.



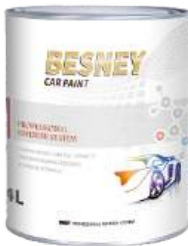
	Surface Cleaning: Remove wax ,silicon and other contamination with degreaser.					
 	Mixing Ratio	2K Primer	+	Hardener	+	Thinner
	(Weight)	4		1		0.5~1.5
	(Volume)	3		1		0.5~1.5
	15~25°C	DW-60		DW-65 Normal		DW-36
	<15°C	DW-60		DW-65 Fast		DW-36
	Pot Life at 25°C : 1 hour with DW-65 Hardener					
 	Spray Gun & Pressure	Gravity Feed: 1.4~1.8mm Suction Feed: 1.7~2.0mm				
		Conventional: 3~4 bar RP: 2.0~2.5 bar HVLP: 2.0 bar				
 	Coats & Thickness	2~3Coats, 50~70µm				
	Flash-Off Time	At 25°C, 3~5 minutes between coats				
	Air-Drying Time	Allow 15~20 minutes air-drying time before force drying				
	Drying Time: 25°C, 40~60 minutes.					
 	Dry Sanding: P400~P600; Wet Sanding: P800~P1000.					
	Re-coating: After drying and sanding, re-coat with all kinds of topcoat.					








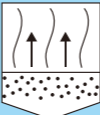



Note:
Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging:4kg

DW-50 Epoxy Primer

Feathers: gives excellent rust proofing for bare metal, good adhesion power to steel, aluminium and galvanized steel.

Substrate: Dried and Sanded existing finishes, steel, iron and glassfiber reinforced plastic.







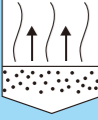
	Surface Cleaning: Remove wax, silicon and other contamination with degreaser.																						
 	Mixing Ratio (Weight) (Volume)	<table><tr><td>Epoxy Primer</td><td>+</td><td>Hardener</td><td>+</td><td>Thinner</td></tr><tr><td>4</td><td></td><td>1</td><td></td><td>1.5~2</td></tr><tr><td>3.5</td><td></td><td>1</td><td></td><td>1</td></tr><tr><td>DW-50</td><td></td><td>DW-55</td><td></td><td>DW-38</td></tr></table>	Epoxy Primer	+	Hardener	+	Thinner	4		1		1.5~2	3.5		1		1	DW-50		DW-55		DW-38	
Epoxy Primer	+	Hardener	+	Thinner																			
4		1		1.5~2																			
3.5		1		1																			
DW-50		DW-55		DW-38																			
	Pot Life at 25°C: 4~6 hours with DW-55 Hardener																						
 	<table><tr><td rowspan="2">Spray Gun & Pressure</td><td>Gravity Feed: 1.4~1.8mm Suction Feed: 1.7~2.0mm</td></tr><tr><td>Conventional: 3~4 bar RP: 2.0~2.5 bar HVLP: 2.0 bar</td></tr></table>	Spray Gun & Pressure	Gravity Feed: 1.4~1.8mm Suction Feed: 1.7~2.0mm	Conventional: 3~4 bar RP: 2.0~2.5 bar HVLP: 2.0 bar																			
Spray Gun & Pressure	Gravity Feed: 1.4~1.8mm Suction Feed: 1.7~2.0mm																						
	Conventional: 3~4 bar RP: 2.0~2.5 bar HVLP: 2.0 bar																						
 	<table><tr><td>Coats & Thickness</td><td>2~3Coats, 40~60µm</td></tr><tr><td>Flash-Off Time</td><td>At 25°C, 5~10 minutes between coats</td></tr><tr><td>Air-Drying Time</td><td>Allow 15~20 minutes air-drying time before force drying</td></tr></table>	Coats & Thickness	2~3Coats, 40~60µm	Flash-Off Time	At 25°C, 5~10 minutes between coats	Air-Drying Time	Allow 15~20 minutes air-drying time before force drying																
Coats & Thickness	2~3Coats, 40~60µm																						
Flash-Off Time	At 25°C, 5~10 minutes between coats																						
Air-Drying Time	Allow 15~20 minutes air-drying time before force drying																						
	Drying Time: 25°C, 18~26 hours; 60°C, 60~80 minutes.																						
 	Dry Sanding: P240~P400; Wet Sanding: P600~P800.																						

Note:
1. For oxidated iron and cast iron, shot blasted sa2.5 class with toughness of 30-75µm, or acid wash the oxidated parts to get rid of rust.
2. It is recommended to bake at 60-70°C for 30 minutes when trmperture is below 10°C for better curing of paint film.
3. Choose right hardener and thinner to avoid poor curing of paint film.
4. Shelf: 2 years in original sealed can at cool and dry place at 25°C. Packaging:4kg

DW-700 MS Plastic Primer

Features: A single component transparent fast drying plastic primer
Substrate: Used to promote adhesion of paint system to plastic parts such as PP,PA,PE





	Surface Cleaning: Sanding with P1000~P1200, Remove wax, silicon or other contamination with degreaser.				
 	<table><tr><td rowspan="2">Spray Gun & Pressure</td><td>Gravity Feed: 1.2~1.4mm Suction Feed: 1.3~1.5mm</td></tr><tr><td>Conventional: 3~4 bar RP: 2.0~2.5 bar HVLP: 2.0 bar</td></tr></table>	Spray Gun & Pressure	Gravity Feed: 1.2~1.4mm Suction Feed: 1.3~1.5mm	Conventional: 3~4 bar RP: 2.0~2.5 bar HVLP: 2.0 bar	
Spray Gun & Pressure	Gravity Feed: 1.2~1.4mm Suction Feed: 1.3~1.5mm				
	Conventional: 3~4 bar RP: 2.0~2.5 bar HVLP: 2.0 bar				
 	<table><tr><td>Coats & Thickness</td><td>2~3Coats, 5~10μm</td></tr><tr><td>Flash-Off Time</td><td>At 25°C, 5~10 minutes between coats</td></tr></table>	Coats & Thickness	2~3Coats, 5~10μm	Flash-Off Time	At 25°C, 5~10 minutes between coats
Coats & Thickness	2~3Coats, 5~10μm				
Flash-Off Time	At 25°C, 5~10 minutes between coats				

Note:
1. The product is ready for use.
2. It is recommended not to spray thickly to avoid peeling off.
3. Test is recommended before application due to the variety of plastic parts.
4. Shelf life:2 years in original sealed can at cool and dry place at 25°C. Packaging:1L ,4L or 5L

DW-702 Fade Out Thinner

Features: To dissolve the rough overspary area of new and existing finishes and achieve an invisible transition for panel repair.
Substrate: overspray area of 2k solid colors, clearcoat in penel repair.




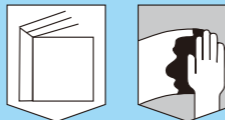
	Mixing Ratio: The product is ready for use. Can mix with the paint remained in the spray gun in the ratio of 1: 1
	Application Method: Spray lightly one coat over the overspray area with DW-702 right after the finish. Second coat in 20 seconds.

Note:
1. Not suitable for 1K basecoat and primer .
2. Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging:1L

DW-703 Degreaser

Features: Able to remove grease,oil and other surface contaminants to avoid paint film defects
Substrate: Existing finishes,primer,putty and metal



	Mixing Ratio: Ready for use
	Usage: 1. Clean the substrate with water to remove water-soluble contaminants and then dry it off. 2. Degrease the substrate with tack rag wetted with degreaser.

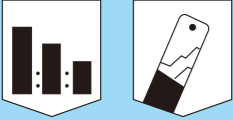
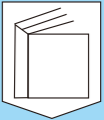
Note:
1. Use Degreaser before sanding to avoid oil contamination going into the sanding mark.
2. Degrease and clean the surface again with Degreaser after sanding
3. Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging: 1L or 4L

DW-704 Matt Agent

Characteristic: A transparent additive for a smooth matte affect while maintaining the good transparency of the clear coat. It can also be used in 2k solid colors and 1k basecoat

Match with: 2k solid colors ,clearcoat, 1k basecoat



	Mixing Ratio:				
	1K basecoat	1K basecoat : DW-704 = (85-70) : (15-30)			
	2K topcoat	Effect	DW-2K Topcoat	DW-704	DW Hardener
		All matte	30 parts	70 parts	15 parts
		Half matte	50 parts	50 parts	25 parts
		Half bright	70 parts	30 parts	35 parts
	Application Method: Refer to the technical data sheet of the matching paint				

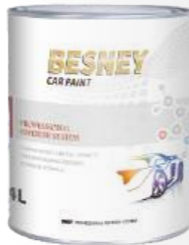
Note:
1. Use Degreaser before sanding to avoid oil contamination going into the sanding mark.
2. Degrease and clean the surface again with Degreaser after sanding
3. Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging: 1L or 4L

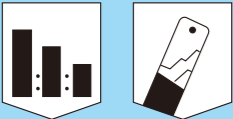
DW-705 1K Binder DW-709 Flip Controller

For DW-1K metallic basecoat, able to speed up air drying time, enhance the orientataion of silver & pearl particles, and imporve the application property

Match with: DW-1K basecoat

Characteristic:



DW-705 1k binder	Speed up air drying time, help the orientation of silver & pearl particles, and improve the application property.
DW-709 Flip Controller	Control silver granule. The more binder is used, the sparser is the orientation of silver granule, with darker face and lighter sides.
Mixing Ratio (Weight) 	Mixing Ratio: 1. Addition of DW705 to DW-1K metallic basecoat is 15~20%of total volume. 2. For DW-1K silver whiter or other light color metallic basecoat, it is recommended to use 5~15% DW-705. When silver basecoat is used individually, add 5~10% DW-705. 3. In 3-stage pearl colors, add appropriate DW705 into the pearl colors accordingly. 4. For basecoat colors with low opacity, such as red pearl colors, addition of DW705 should be less than 15% so as not to affect the hiding power of the paint. 5. 5~15% of DW-709 can be used to lighten the side tone while having little effect on the face of the color. Excess addition would affect the adhesion between basecoat and clear coat.

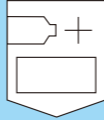
Note:
Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging: 4L

DW-706 Accelerator

Characteristic:

Specially designed for DW-2K solid colors and clear coat, can speed up the dust free time and air drying time of paint film, suitable for spot repair or application at low temperature.



	Mixing Ratio: 1. 10~15°C: 4g DW-706 Quick Drier into 1L ready-to-spray paint; 2. 0~10°C: 8~12g DW-706 Quick Drier into 1L ready-to-spray paint; 3. Below 0°C: 12~15g DW-706 Quick Drier into 1L ready-to-spray paint;
---	---


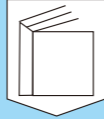
Note:
1. Pot life of paint mixed with DW-706 Quick Drier would be shortened considerable, use up as soon as possible.
2. Recommended addition of DW-706 Quick Drier in not over than 15g for 1L ready-to-spray paint, otherwise it would cause paint film embrittlement and loss of gloss.
3. DW-706 Quick Drier can not be used as hardener.
4. Shelf Life: years in original sealed can at cool and dry place at 25°C. Packaging:1L

DW-707 Retarder

Features: Additive to prolong volatilization of solvent. Helps to produce a quality refinishing job of good leveling and blushing-free at circumstances of high temperature, humidity or large area repair.

Match with: DW-2k topcoat, clearcoat and 1K basecoat



	Mixing Ratio: Add 10-30% retarder solvent into DW-36 slow dry or DW-36 Extra slow thinner when the ambient temperature is over 30°C
	Please refer to the technical data sheet of thematching products.

Note:
Shelf life: 2 years in original sealed can at cool and dry place at 25°C. Packaging: 1L