



Valspar Refinish Process Guide for Vehicle Repairs

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High Performance Finishes That Drive Success

The Valspar Refinish system is known for its versatility, compact range and easy-to-use characteristics. The simplicity of the system lies in the proprietary tinting technology. One set of universal tinters allows you to create acrylic, basecoat, and single-stage 2K polyurethane topcoat systems.

This booklet contains easy to read process charts for painting a range of different substrates. It is designed to allow sales staff to assist customers in choosing the correct system and products for their job.

For more information on any product, contact Valspar Automotive.

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

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QUICK MIXING CHART

		FUNCTION				ACTI	VATOR		HIGH PERFORMANCE REDUCER		
SERIES	PRODUCT NAME	FUNCTION		MIXING STICK	VERY FAST	FAST	STANDARD	SLOW	FAST	MEDIUM	SLOW
	PRIMERS										
		PRIMER	4 : 1 : 1	MS1					171HP	172HP	173HP
DTIVI2035	DTM PRIMER (DIRECT TO METAL)	SEALER	4:1:2	MS1			ACTIVATOR		171HP	172HP	173HP
-	VALSPAR INDUSTRIAL ETCH	PRIMER	0-30%	-		N	ONE		171HP	172HP	173HP
AP33	1K ACRYLIC PRIMER	PRIMER	2:1	-		N	ONE		30MP N	Aulti-Purpose	Reducer
		PRIMER	4 : 1 : 1	MS1					171HP	172HP	173HP
VP50	EPOXY PRIMER	SEALER	4:1:2	MS1		VPC 50 A	CIIVAIOR		171HP	172HP	173HP
ЦСЭБ		SURFACER	4 : 1 : 1	MS1	HPC3				171HP	172HP	173HP
сссп	HS PRIMER SURFACER	SEALER	4:1:2	MS1	X		HFCU	171HP	172HP	173HP	
	TOPCOATS										
303C01	1K ACRYLIC TOPCOAT		1:1.5	-		N	ONE		30MP Multi-Purpose Reducer		
888C88	HIGH PERFORMANCE BASECOAT BINDER		1:1	MS3		N	ONE		171HP	172HP	173HP
862	2K TOPCOAT		4 : 1 :0-10%	MS1	HPC3	HPC2	HPC1	HPC0	171HP	172HP	173HP
	CLEARCOATS										
AC200MS	MS CLEARCOAT		4:1:0-5%	MS1	HPC3	HPC2	HPC1	HPC0	171HP	172HP	173HP
AC4400	HS CLEARCOAT		2 : 1 : 1	MS3	HPC3	HPC2	HPC1	HPC0	171HP	172HP	173HP
AD4200	AIR CURE CLEAR		4:1:0-5%	MS1			HPC420	HPC400	171HP	172HP	173HP
AC303	1K ACRYLIC CLEAR		1:1.5	-	NONE			30MP N	Aulti-Purpose	Reducer	
	SPECIALTIES										
PR2	PLASTIC ADHESION PROMOTER		R.F.U	-	-	-	-	-	-	-	-
Z777	MID COAT ADHESION PROMOTER		R.F.U	-	-	-	-	-	-	-	-
BZ1	UNIVERSAL BLENDING SOLVENT		R.F.U	-	-	-	-	-	-	-	-
T566	ACCELERATOR		-	-		N	ONE		-	-	-

For use over plastic

For more than 3 panels.

For use over fibreglass

For 3 or less panels.

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

BASE COAT ACRYLIC PROCESS FOR ALUMINIUM AND STEEL

SYSTEM NUMBER: 1-10

Dry to sand 60 min per coat at 20°C

Note: Make sure basecoat has flashed off thoroughly before clear is applied

Air dry 20°C 30 min dry to handle 24hrs dry to polish

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BASE COAT PLASTIC PROCESS USING 1K ACRYLIC

SYSTEM NUMBER: 1-20

Clean panel with 155 Surface Cleaner

Flash for 5-7 mins

Flash for 5-7 mins between coats

Dry to sand 60 min per coat at 20°C

Grey Scotch-Brite or a hand pad P800 to key difficult areas

Flash for 5-7 mins between coats

5-7 mins between coats 24 hours to polish

Clean with 155 Surface Cleaner

Note: Make sure basecoat has flashed off thoroughly before clear is applied

Air dry 20°C 30 min dry to handle 24hrs dry to polish

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

2K ALUMINIUM & STEEL USING DTM2035 DIRECT TO METAL PRIMER FOR WET-ON-WET

SYSTEM NUMBER: 2-10

1	Preparation				Clean panel with 155 Surface Cleaner	or Sand panel with P320 or P400	Red Scotch-Brite or hand pad P800 all key edges and difficult areas	C
2	DTM2035 Surfacer/ Sealer	Visit of the second	DTMA2035	Valspar Valspa				
		Mixing 4 Ratio	1	2	Setup/Air Pressure 1.2-1.4mm 2 Bar	Apply 1 coat	Flash 10-15 min or until Matt	
3	862 2K Topcoat	Veloperative Version Beg Proteine Teport fort	Ispar	Valspace Water Medical Market Medical Market Medical				
		862	НРСО-НРСЗ	171HP- 173HP		Setup/Air Pressure		
		Mixing 4 Ratio	1	0-10%	Clean panel with 155 Surface Cleaner	1.3-1.5mm 2 Bar	Apply 2-3 Coats	

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Clean panel with 155 Surface Cleaner

Flash for 5-10 mins between coats

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2K ALUMINIUM & STEEL ETCH USING INDUSTRIAL ETCH PRIMER FOR WET-ON-WET

SYSTEM NUMBER: 2-20

or P240

Feather edges with P180 Clean panel with 155 Surface Cleaner

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

2K FIBREGLASS USING DTM2035 DIRECT TO METAL PRIMER FOR WET-ON-WET

SYSTEM NUMBER: 2-30

1	Preparation				Clean panel with 155 Surface Cleaner	or Sand panel with P320 or P400	Red Scotch-Brite or hand pad P800 all key edges and difficult areas
2	DTM2035 Surfacer/ Sealer	Visit of the sector of the	DTMA2035	the second secon			
		Mixing 4 Ratio	1	2	Setup/Air Pressure 1.2-1.4mm 2 Bar	Apply 1 coat	Flash 10-15 min or until Matt
3	862 2K Topcoat	Velopation Provide Management Man	Kispar	Terrer Medice			
	·	862	НРСО-НРСЗ	171HP- 173HP	Setup/Air Pressure		Flash for 5-10 mins between
		Ratio 4	1	0-10%	1.3-1.5mm 2 Bar	Apply 2-3 Coats	coats

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2K DTM WOW FG

Clean panel with 155 Surface Cleaner

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

2K ALUMINIUM & STEEL USING DTM2035 DIRECT TO METAL PRIMER FOR SANDING

SYSTEM NUMBER: 2-40

Clean panel with 155 Surface Cleaner

Air dry 20°C Overnight Bake 60°C 30 min

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Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

2K REPAIR ALUMINIUM EPOXY PROCESS FOR SANDING

SYSTEM NUMBER: 2-50

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Air Dry 20°C 16 Hours Bake 60°C 1 Hour

Clean with 155 Surface Cleaner

Flash for 5-10 mins between coats

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

2K ALUMINIUM ETCH PROCESS FOR SANDING

SYSTEM NUMBER: 2-60

ETCH SAND

2K

Feather edges with P180 or P240

Clean panel with 155 Surface Cleaner

Air dry 20°C 16 Hours Bake 60°C object 20-30 mins

Clean panel with 155 Surface Cleaner

Flash for 5-10 mins between coats

Air dry 20°C Overnight Bake 60°C 30 min

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Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only. BASE COAT ALUMINIUM & STEEL USING DTM2035 DIRECT TO METAL PRIMER FOR WET-ON-WET (MORE THAN 3 PANELS)

SYSTEM NUMBER: 3-10

Preparation				Clean panel with 155 Surface Cleaner	OR OR Sand panel with P320 or P240	Red Scotch-Brite or hand pad P800 all key edges and difficult areas
DTM2035 Surfacer/ Sealer			The second secon			
	DTM2035 Mix 4 Ratio	DTMA2035 1	171HP-173HP 2	4:1:2	Setup/Air Pressure 1.2-1.4mm 2 Bar	Apply 1 medium closed coat
888C88 High Performance Basecoat Binder	Image: Sector		Telepide 171HP-173HP	1:1 High Performance Reducer 171HP, 172HP, 173HP	Set up/Air pressure 1.3-1.4mm 1.5-1.8 Bar	Apply 2-3 medium wet coats Followed by a control coat
_	Ratio 1		1			
AC4400 HS Clear Coat	With the second	Espar	Para and a second secon			
	AC4400 Mix 2 Ratio 2	нисо-нисз 1	171HP-173HP 1	2:1:1 HPC0-3	Set up/Air pressure 1.3-1.4mm 2-2.3 Bar	Apply medium to wet closed coat, flash, followed by a full coat
	Preparation DTM2035 Surfacer/ Sealer B88C88 High Performance Basecoat Binder AC4400 HS Clear Coat	PreparationImage: second s	PreparationImage: Constraint of the second seco	PreparationImage: second s	Preparation Image: formation of the system of the syst	Preparation Image: Constraints of the preparation of the prepa

Clean panel with 155 Surface Cleaner

Flash 10-15 min or until Matt

Flash for 5-10 mins between coats

Flash for 5-10 mins between coats

Airdry 20°C 16 hours Bake at 60°C object temp 45 mins

BASE COAT ALUMINIUM & STEEL USING DTM2035 DIRECT TO METAL Always refer to the appropriate product technical data sheet and safety data sheet prior to use. **PRIMER FOR WET-ON-WET (3 OR** Products are for Trade use only. **LESS PANELS)**

SYSTEM NUMBER: 3-15

SAFETY FIRST!

Always wear appropriate PPE.

1	Preparation				Clean panel with 155 Surface Cleaner	OR OR Sand panel with P320 or P240	Red Scotch-Brite or hand pad P800 all key edges and difficult areas
2	DTM2035 Surfacer/ Sealer						
		Mix 4 Ratio	1 1	2	4:1:2	Setup/Air Pressure 1.2-1.4mm 2 Bar	Apply 1 medium closed coat
2	888C88	Verden og mer Valspanne Verden mer Verden mer Verden mer Verden og mer V		Valspar Verter Torrer Magner Reducer - Medice			
3	High Performance Basecoat Binder	000/00		171110 172110	1:1 High Performance Reducer 171HP 172HP 173HP	Set up/Air pressure 1.3-1.4mm 1.5-1.8 Bar	Apply 2-3 medium wet coat Followed by a control coat
		Mix 1 Ratio		1	17 mil, 172m, 173m		
4	AD4200 Air Cure Clear	valspar vere Ar cure cear	Kispar	valspace verse ve			
		AD4200	HPC400-HPC420	171HP-173HP	4.1.0-2%	Set un/Air pressure	
		Mix Ratio 4	1	0-5%	HPC400-420	1.3-1.4mm 2 Bar	Apply 2 full coats

Clean panel with 155 Surface Cleaner

Flash 10-15 min or until Matt

Flash for 5-10 mins between coats

No flash between coats

Airdry 25°C 30 min to nib sand and buff

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

BASE COAT ALUMINIUM & STEEL ETCH USING INDUSTRIAL ETCHFOR WET-ON-WET (MORE THAN 3 PANELS)

SYSTEM NUMBER: 3-20

Feather edges with P180 or P240

with 155 Surface Cleaner

Airdry 20°C 16 hours Bake at 60°C object temp 45 mins

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Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

BASE COAT ALUMINIUM & STEEL ETCH USING INDUSTRIAL ETCH FOR WET-ON-WET (3 OR LESS PANELS)

SYSTEM NUMBER: 3-25

Feather edges with P180 or P240

Clean panel with 155 Surface Cleaner

Airdry 25°C 30 min to nib sand and buff

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

BASE COAT FIBREGLASS USING DTM2035 DIRECT TO METAL PRIMER FOR WET-ON-WET (MORE THAN 3 PANELS)

SYSTEM NUMBER: **3-30**

1	Preparation				Clean panel with 155 Surface Cleaner	or Sand panel with P320 or P400	Red Scotch-Brite or hand pad P800 all key edges and difficult areas
2	DTM2035 Surfacer/ Sealer		DTMA2035				
		Mix 4 Ratio	1	2	4:1:2	1.2-1.4mm 2 Bar	Apply 1 medium closed coat
3	888C88 High Performance Basecoat Binder	Image: constraint of the second se		Image: tealtealtealtealtealteal	1:1 High Performance Reducer 171HP, 172HP, 173HP	Set up/Air pressure 1.3-1.4mm 1.5-1.8 Bar	Apply 2-3 medium wet coats Followed by a control coat
4	AC4400 HS Clear Coat	Ratio Viceorofic Cettor BCC4400 BCC4400	КАРСО-НРСЗ	r trifter were trifter were tri	2:1:1	Set up/Air pressure	Apply medium to wet
		Mix 2 Ratio	1	1	HPC0-3	1.3-1.4mm 2-2.3 Bar	closed coat, flash, followed by a full coat

Clean panel with 155 Surface Cleaner

Flash 10-15 min or until Matt

Flash for 5-10 mins between coats

Flash for 5-10 mins between coats

Airdry 20°C 16 hours Bake at 60°C object temp 45 mins

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

BASE COAT FIBREGLASS USING DTM2035 DIRECT TO METAL PRIMER FOR WET-ON-WET (3 OR LESS PANELS)

SYSTEM NUMBER: **3-35**

1	Preparation				Clean panel with 155 Surface Cleaner	or Sand panel with P320 or P400	Red Scotch-Brite or hand pad P800 all key edges and difficult areas
2	DTM2035 Surfacer/ Sealer			<image/>	4:1:2	Setup/Air Pressure 1.2-1.4mm	Apply 1 medium closed
3	888C88 High Performance Basecoat Binder	Ratio 4 Ratio		Tube	1:1 High Performance Reducer 171HP, 172HP, 173HP	2 Bar Exercise Set up/Air pressure 1.3-1.4mm 1.5-1.8 Bar	Apply 2-3 medium wet coats Followed by a control coat
4	AD4200 Air Cure Clear	Image: Constraint of the second se	hpc400-hpc420	total and the second se	4:1:0-5% HPC400-420	Set up/Air pressure 1.3-1.4mm 2 Bar	Apply 2 full coats
		Ratio 4		0-5%	111 0100 120		

Clean panel with 155 Surface Cleaner

Flash 10-15 min or until Matt

Flash for 5-10 mins between coats

Airdry 25°C 30 min to nib sand and buff

No flash between coats

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

BASE COAT ALUMINIUM & STEEL USING DTM2035 DIRECT TO METAL PRIMER FOR SANDING (MORE THAN 3 PANELS)

SYSTEM NUMBER: 3-40

Clean panel with 155 Surface Cleaner

by a full coat

2-2.3 Bar

Airdry 20°C 16 hours Bake at 60°C object temp 45 mins

BASE COAT REPAIR ALUMINIUM THAN 3 PANELS)

Bake at 60°C object temp 45 mins

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Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

BASE COAT REPAIR ALUMINIUM EPOXY PROCESS FOR SANDING (LESS THAN 3 PANELS)

SYSTEM NUMBER: 3-55

Flash for 45 min at 20°C

Feather edges with P180 or P240

Flash off until matt between coats

Grey Scotch-Brite or a hand pad P800 to key difficult areas

Flash for 5-10 mins between coats

Air Dry 20°C 16 Hours Bake 60°C 1 Hour

Clean panel with 155 Surface Cleaner

Air dry 20°C 16 Hours Bake 60°C Object 20-30 mins

Clean with 155 Surface Cleaner

Airdry 25°C 30 min to nib sand and buff

2-2.3 Bar

Always wear appropriate PPE. Always refer to the appropriate product technical data sheet and safety data sheet prior to use. Products are for Trade use only.

BASE COAT ALUMINIUM ETCH PROCESS FOR Valspar **SANDING (3 OR LESS PANELS)**

SYSTEM NUMBER: 3-65

Feather edges with P180 or P240

Clean panel with 155 Surface Cleaner

Air dry 20°C 16 Hours Bake 60°C object 20-30 mins

Clean panel with 155 Surface Cleaner

Flash for 5-10 mins between coats

Airdry 25°C 30 min to nib sand and buff

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Safety

Wear protective gloves. Wear eye or face protection. Keep away from ignition sources such as heat/sparks/open flame. - No smoking. Do not breathe vapour or spray mist. Wash hands thoroughly after handling. Product Technical Data Sheets & Safety Data Sheets are available from your retailer.

About Valspar Refinish

At Valspar we are passionate about paint. We love seeing our products used to protect and enhance the look of objects both large and small. This is equally true for our Valspar Refinish system. The Valspar Refinish system is used by professionals and individuals for car refinish across the globe. We are constantly developing the system and colour range to meet and exceed the needs of our customers.

Pro Tips

Check you have all required products before starting the job.

Sharp paint edges must be feathered back by sanding otherwise they will still be visible after the repair.

Primer will not hide deep scratches, apply body filler to repair these areas.

Practice application technique and check colour on paper before applying to your car.

If you get a run during paint application, don't worry. Let the coating dry and lightly sand the run back to a smooth finish before proceeding.

Paint mist will carry some distance, it is important to protect your vehicle and surrounding items from overspray.

The advice given in this guide is general in nature. For the best quality repair, we recommend using an authorised Valspar Refinish repairer.

Notes

Vehicle Make: Colour Code: Year:

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