

Sherwin-Williams
Automotive Finishes

Clearcoat Selection Chart





NATIONAL RULE

LOW VOC

	Air Dry	Standard Downdraft Booth*	High Performance Booth**
  	CC950	SRC2 1100755 CC950	SRC2 1100755 CC950 CC939
	CC939 CC930	CC939	CC930
	HPC15	CC930	CC931

	Air Dry	Standard Downdraft Booth*	High Performance Booth**
  	CC921	SRC2 1100755	SRC2 CC921 1100755
	CC920	CC921	CC920
	HPC21	CC920	CC923

*Standard Downdraft Booth takes 8-10 minutes or longer to ramp up to 140°F metal temperature

**High Performance Booth takes less than 8 minutes to ramp up to 140°F metal temperature

*Standard Downdraft Booth takes 8-10 minutes or longer to ramp up to 140°F metal temperature

**High Performance Booth takes less than 8 minutes to ramp up to 140°F metal temperature



NATIONAL RULE

Features

15 Minute Air Dry Cure
WOW Application
Excellent Gloss
Fuel Cost Reduction
Highly Productive
Ure-Flex Technology

Dust Free

5-7 Minutes

Bake

N/A

Air Dry to Polish

15-30 Minutes

Mix Ratio

5 : 1 : 1

Reducer

US2, US3 or US4

Hardener

UH80

Sizes

QT & GL

Color Systems

AWX®, ULTRA 7000®,
Genesis®

Number of Panels

1-4

VOC

National Rule

HPC15



CC930



CC931



CC939



Fast out of Dust
Excellent Gloss Holdout
Short Bake Cycles
Excellent Air Dry Performance
Ure-Flex Technology
WOW Application

20-30 Minutes

10-15 Minutes @ 120°F

1.5-2 Hours

3 : 1 : 10%

US1, US2, US3, US4,
US5 or US6
UH904

QT & GL

ULTRA 7000®

1-3 Panels

National Rule

5-10 Minute Bake Times
Firmness out of Bake
Highly Productive
Excellent Gloss
Ure-Flex Technology
WOW Application

20-30 Minutes

5-10 Minutes @ 140°F

3-4 Hours

3 : 1 : 1

US3, US4, US5 or US6
UH904

QT & GL

ULTRA 7000®, Genesis®

1-4 Panels

National Rule

Versatility
Air Dry or Bake Applications
Superior Gloss
WOW Application
Ure-Flex Technology
Short Bake Cycles

20-55 Minutes

10-25 Minutes @ 140°F

2-6 Hours
Depending on hardener
4 : 1 : 1

US1, US2, US3, US4,
US5 or US6
UH70, UH80 or UH90

QT & GL

AWX®, ULTRA 7000®,
Genesis®

Multi-Panel Repairs

National Rule

BEST



NATIONAL RULE

CC950



1100755



CC947



Features

Maximum Gloss
Best Overall Clearcoat
Easy to Apply
WOW Application
Ure-Flex Technology
Short Bake Cycles

Maximum Gloss & DOI
Exceptional Sprayability
Excellent Leveling
Ure-Flex Technology
WOW Application

Gloss Range: Matte to Semi Gloss
Ease of Application
Multiple Clearcoat Applications
Ure-Flex Technology

Dust Free

45-55 Minutes

After Bake

25-35 Minutes

Bake

20-30 Minutes @ 140°F

30 Minutes @ 140°F

20-30 Minutes @ 140°F

Air Dry to Polish

8 Hours

Bake/Force Dry Only

Not Applicable

Mix Ratio

3 : 1 : 10%

2 : 1 : 1

Gloss Determines Mix Ratio
5 : 1 : 1 or 5 : 1 : 10%
See Product Data Sheet

Reducer

US1, US2, US3, US4,
US5 or US6

US4-US6

See Product Data Sheet

Hardener

UH904

UH80

See Product Data Sheet

Sizes

QT & GL

Gallon Only

Color Systems

ULTRA 7000®, Genesis®

AWX®, ULTRA 7000®,
Genesis®

AWX®, ULTRA 7000®

Number of Panels

Multi-Panel Repairs

Multi-Panel/Overall

Multi-Panel Repairs

VOC

National Rule

National Rule

National Rule

BEST



LOW VOC

Features



Dust Free

Bake

Air Dry to Polish

Mix Ratio

Reducer

Hardener

Sizes

Color Systems

Number of Panels

VOC

HPC21



20 Minute Air Dry Cure
WOW Application
Excellent Gloss
Fuel Cost Reduction
Highly Productive
Ure-Flex Technology

5-7 Minutes

NA

20-30 Minutes

4 : 1 : 1

ES10, ES15 or ES20

UH900

QT & GL

AWX[®], ULTRA 7000[®],

Multi-Panel Repairs

National Rule & 2.1 VOC

CC920



Fast out of Dust
Excellent Gloss
Short Bake Cycles
Excellent Air Dry
Ure-Flex Technology
WOW Application

45-55 Minutes

15-20 Minutes @ 125°F

8 Hours

3 : 1 : 1

R26 or R28

UH924

QT & GL

AWX[®], ULTRA 7000[®],
Genesis[®]

1-3 Panels

2.1 VOC Compliant

CC921



Maximum Gloss
Best Overall Clearcoat
Easy to Apply
WOW Application
Ure-Flex Technology

45-55 Minutes

20-30 Minutes @140°F

8 Hours

3 : 1 : 1

R24, R26 or R28

UH924

QT & GL

AWX[®], ULTRA 7000[®],
Genesis[®]

Multi-Panel Repairs/Overall

2.1 VOC Compliant

CC923



Highly Productive
Maximum Gloss
Easy to Apply
WOW Application
Ure-Flex Technology

45 Minutes

15 Minutes @140°F

8 Hours

3 : 1 : 1

R28 or R30

UH924

QT & GL

AWX[®], ULTRA 7000[®],
Genesis[®]

1- 4 Panels

2.1 VOC Compliant

BEST



LOW VOC

Features



Dust Free

Bake

Air Dry to Polish

Mix Ratio

Reducer

Hardener

Sizes

Color Systems

Number of Panels

VOC

SRC2



Scratch Resistant
Maximum Gloss
Best Overall Clearcoat
Easy to Apply
WOW Application
Ure-Flex Technology

45-60 Minutes

10 Minute Flash/
30 Minutes @140-160°F
Overnight

3 : 1 : 1

R24, R26, R28 or R30

UH20

QT

AWX®, ULTRA 7000®,
Genesis®

Multi-Panel Repairs

2.1 VOC Compliant

1100755



Maximum Gloss & DOI
Exceptional Sprayability
Excellent Leveling
Ure-Flex Technology
WOW Application

After Bake

30 Minutes @ 140°F

Bake/Force Dry Only

2 : 1 : 1

ES55, ES56

UH900

Gallon Only

AWX®, ULTRA 7000®,
Genesis®

Multi-Panel/Overall

2.1 VOC Compliant

CC927



Gloss Range: Matte to Semi Gloss
Ease of Application
Multiple Clearcoat Applications
Ure-Flex Technology

45 Minutes

30 Minutes @140°F

Not Applicable

Gloss Determines Mix Ratio

R26 or R28

UH924

QT

AWX®, ULTRA 7000®,

Multi-Panel Repairs

2.1 VOC Compliant

BEST



DC5010



DC5020



DC2110



Features

Spot/Panel Applications
Ease of Uses
Fast Out of Dust
Air Dry Applications
WOW Application

Excellent Baking
Great Gloss
WOW Application

2.1 VOC Compliant
Versatility
WOW Application
Great Gloss
High Solids

Dust Free

15 Minutes

45 Minutes

50 Minutes

Bake

10 Minutes @ 120°F

30 Minutes @ 120°F

30 Minutes @ 120°F

Air Dry to Polish

8 Hours

8 Hours

Overnight

Mix Ratio

4 : 1 : 1

4 : 1 : 1

4 : 1 : 1

Reducer

DR732, DR733, DR734,
DR735 or DR736

DR732, DR733, DR734,
DR735 or DR736

DLV643, DLV644, DLV645,
DLV646 or DLV647

Hardener

DH656

DH656

DH657

Sizes

QT & GL

QT & GL

QT & GL

Color Systems

DIMENSION® &
Competition

DIMENSION® &
Competition

DIMENSION® &
Competition

Number of Panels

1-4 Panels

2 panels to
Overall Refinishes

2.1 VOC Compliant

VOC

National Rule

National Rule

BETTER

FINISH
AUTOMOTIVE REFINISH PRODUCTS

1
™

FC710



FC720



FC730



FC740



Features

Simple Mixing Ratio
Fast Dry Times
High Gloss
Easy to Apply
Easy to Polish
Great Value

Simple Mixing Ratio
High Gloss
Easy to Apply
Easy to Polish
Versatile
Great Value

Simple Mixing Ratio
High Gloss
Easy to Apply
Easy to Polish
Versatile
Great Value

Simple Mixing Ratio
High Gloss
Easy to Apply
Easy to Polish
Versatile
Great Value

Dust Free

15 Minutes

40-45 Minutes

25 Minutes

45-60 Minutes

Bake

15 Minutes @ 120°F

30 Minutes @ 120°F

30 Minutes @ 140°F

30 Minutes @ 140-145°F

Air Dry to Polish

4-6 Hours

8 Hours

Overnight

8 Hours

Mix Ratio

4 : 1

4 : 1

4 : 1

4 : 1

Hardener

FH611 Fast
FH612 Medium
FH613 Slow

FH611 Fast
FH612 Medium
FH613 Slow

FH731 Fast
FH732 Medium
FH733 Slow

FH741 Fast
FH742 Medium
FH743 Slow

Sizes

QT & GL

QT & GL

QT & GL

QT & GL

Color Systems

Competitive Basecoat &
Single Stage Systems

Number of Panels

1-4 Panels

2 Panels to
Overall Refinish

Multi-Panel to
Overall Refinish

Single Panel to
Overall Refinish

GOOD



Recommended Gun Settings Specifically for Clearcoat Application

The following is a list of spray equipment that has been used successfully by many technicians in our industry. Therefore, it is with confidence that we suggest you consider these guns when using Sherwin-Williams® Automotive Clearcoat Finishes.

Model	Material Being Sprayed	Tip Size (mm)	Fluid Needle (# of turns out)	Pressure @ the gun	*Pressure @ the cap
Tekna Clearcoat	All Clearcoats except HPC15/21 HPC15/21	1.3	3 - 4	22 - 24 psi	10 psi
		1.4	Full Open	18 - 20 psi	7 - 8 psi
Tekna HE 7E7 cap	All Clearcoats except HPC15/21 HPC15/21	1.3	2.5 - 3.5	20 - 24 psi	N/A
		1.4	Full Open	18 - 20 psi	N/A
Devilbiss Cvi 510 air cap	All Clearcoats except HPC15/21 HPC15/21	1.3	2.5 - 3.5	29 psi	N/A
		1.3	Full Open	27 - 29 psi	N/A
Iwata LPH400 LV	All Clearcoats except HPC15/21 HPC15/21	1.3	2.5 - 3.5	20 psi	10 psi
		1.3	Full Open	20 psi	10 psi
Iwata W400 LV	All Clearcoats except HPC15/21 HPC15/21	1.3 - 1.4	2.5 - 3.5	27-30 psi	N/A
		1.4	Full Open	27-30 psi	N/A
Sata NR3000	All Clearcoats except HPC15/21 HPC15/21	1.3	2 - 2.5	28 psi	10 psi
		1.4	Full Open	20 - 24 psi	7 - 8 psi
Sata NR3000 RP	All Clearcoats except HPC15/21 HPC15/21	1.2 - 1.3	2.5 - 3	32 - 34 psi	N/A
		1.4	Full Open	24 - 28 psi	N/A
Sata NR2000	All Clearcoats except HPC15/21 HPC15/21	1.3	2.5 - 3.5	28 psi	10 psi
		1.4	Full Open	20 - 24 psi	7 - 8 psi

Important - Pressure must be obtained with the trigger pulled and fluid coming out of the gun.

NOTES:

- 1) * For HVLP Guns - Always check for 10 lbs. at the air cap using the appropriate air cap test kit.
- 2) These are the recommended settings for the listed guns. Spray Guns need to be selected according to the painters application style and spray environment. No one gun is recommended above another.
- 3) When adjusting the fluid needle, start at the mid-range that is listed and then adjust a 1/2 turn on the needle in or out until you get the fluid delivery that fits your application speed and environmental conditions.
- 4) For the pressure adjustment, start at the mid-range and then adjust up or down on the pressure to get the desired atomization for your application speed and environment.

For questions regarding the correct spray equipment for your shop, please contact your local Sherwin-Williams Automotive Finishes Technical Representative for assistance.