

The Martin Senour  
Company



# Clearcoat Selection Chart



# PREMIUM CLEARCOAT



## NATIONAL RULE

## LOW VOC

Air Dry	Standard Downdraft Booth*	High Performance Booth**
 TC731	ASC2 TC755 TC731	ASC2 TC755 TC731 TC751
TC751 TC730	TC751	TC730
 IPC15	TC730	TC732

\*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

Air Dry	Standard Downdraft Booth*	High Performance Booth**
	ASC2	ASC2 TC755
TC722	TC755	TC722
 IPC21	TC722	TC723

\*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

For proper application refer to Product Data Sheet. See last page for gun selection information.

**PREMIUM  
CLEARCOAT**  
**NATIONAL RULE**

**IPC15**



**TC730**



**TC732**



**TC751**



**Features**

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

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

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

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

**Dust Free**

5-7 Minutes

20-30 Minutes

20-30 Minutes

20-55 Minutes

**Bake**

N/A

10-15 Minutes @ 120°F

5-10 Minutes @ 140°F

10-25 Minutes @ 140°F

**Air Dry to Polish**

15-30 Minutes

1.5-2 Hours

3-4 Hours

2-6 Hours  
Depending on hardener

**Mix Ratio**

5 : 1 : 1

3 : 1 : 10%

3 : 1 : 1

4 : 1 : 1

**Reducer**

TS2, TS3 or TS4

TS1, TS2, TS3, TS4,  
TS5 or TS6

TS3, TS4, TS5 or TS6

TS1, TS2, TS3, TS4,  
TS5 or TS6

**Hardener**

8876

TH704

TH704

8670, 8876 & 8690

**Sizes**

QT & GL

QT & GL

QT & GL

QT & GL

**Color Systems**

VORTEX®, Tec/SYSTEM®,  
PRISM®

Tec/SYSTEM®

Tec/SYSTEM®, PRISM®

VORTEX®, Tec/SYSTEM®,  
PRISM®

**Number of Panels**

1-4

1-3 Panels

1-4 Panels

Multi-Panel Repairs

**VOC**

National Rule

National Rule

National Rule

National Rule

**BEST**

**PREMIUM  
CLEARCOAT**  
**NATIONAL RULE**

**TC731**



**TC755**



**TC748**



**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**

TS1, TS2, TS3, TS4,  
TS5 or TS6

TS4-TS6

See Product Data Sheet

**Hardener**

TH704

8876

See Product Data Sheet

**Sizes**

GL Only

Gallon Only

QT Only

**Color Systems**

Tec/SYSTEM®, PRISM®

VORTEX®, Tec/SYSTEM®,  
PRISM®

VORTEX®, Tec/SYSTEM®

**Number of Panels**

Multi-Panel Repairs

Multi-Panel Repairs

Multi-Panel Repairs

**VOC**

National Rule

National Rule

National Rule

**BEST**

**PREMIUM  
CLEARCOAT**  
**LOW VOC**

**IPC21**



**TC722**



**TC723**



**Features**

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

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

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

**Dust Free**

5-7 Minutes

45-55 Minutes

45 Minutes

**Bake**

NA

20-30 Minutes @140°F

15 Minutes @140°F

**Air Dry to Polish**

20-30 Minutes

8 Hours

8 Hours

**Mix Ratio**

4 : 1 : 1

3 : 1 : 1

3 : 1 : 1

**Reducer**

CS20, CS30 or CS40

8942V, 8943V or 8944V

8943V, 8944V or 8946V

**Hardener**

5198

TH725

TH725

**Sizes**

QT & GL

QT & GL

QT & GL

**Color Systems**

VORTEX®, Tec/SYSTEM®

VORTEX®, Tec/SYSTEM®,  
PRISM®

VORTEX®, Tec/SYSTEM®,  
PRISM®

**Number of Panels**

Multi-Panel Repairs

Multi-Panel Repairs/Overall

1- 4 Panels

**VOC**

National Rule & 2.1 VOC

2.1 VOC Compliant

2.1 VOC Compliant

**BEST**

**PREMIUM  
CLEARCOAT**  
**LOW VOC**

**ASCP**



**TC755**



**TC728**



**Features**

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

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**

45-60 Minutes

After Bake

45 Minutes

**Bake**

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

30 Minutes @ 140°F

30 Minutes @140°F

**Air Dry to Polish**

Overnight

Bake/Force Dry Only

Not Applicable

**Mix Ratio**

3 : 1 : 1

2 : 1 : 1

Gloss Determines Mix Ratio

**Reducer**

8942V, 8943V, 8944V or  
8946V

ES55, ES66

8943V or 8944V

**Hardener**

TH20

5198

TH725

**Sizes**

QT

Gallon Only

QT

**Color Systems**

VORTEX®, Tec/SYSTEM®,  
PRISM®

VORTEX®, Tec/SYSTEM®,  
PRISM®

VORTEX®, Tec/SYSTEM®

**Number of Panels**

Multi-Panel Repairs

Multi-Panel/Overall

Multi-Panel Repairs

**VOC**

2.1 VOC Compliant

2.1 VOC Compliant

2.1 VOC Compliant

**BEST**

# Cross/FIRE®

**CC5010**



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

15 Minutes

10 Minutes @ 120°F

8 Hours

4 : 1 : 1

CR732, CR733, CR734,  
CR735 or CR736

CH256

QT & GL

Cross/FIRE® &  
Competition

1-4 Panels

National Rule

**CC5020**



Excellent Baking  
Great Gloss  
WOW Application

45 Minutes

30 Minutes @ 120°F

8 Hours

4 : 1 : 1

CR732, CR733, CR734,  
CR735 or CR736

CH256

QT & GL

Cross/FIRE® &  
Competition

2 panels to  
Overall Refinishes

National Rule

**CC2110**



2.1 VOC Compliant  
Versatility  
WOW Application  
Great Gloss  
High Solids

50 Minutes

30 Minutes @ 120°F

Overnight

4 : 1 : 1

CLV243, CLV244, CLV245,  
CLV246 or CLV247

CH257

QT & GL

Cross/FIRE® &  
Competition

2.1 VOC Compliant

**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

Competitive Basecoat &  
Single Stage Systems

Competitive Basecoat &  
Single Stage 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 Martin Senour® 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 IPC15/21 IPC15/21	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 IPC15/21 IPC15/21	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 IPC15/21 IPC15/21	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 IPC15/21 IPC15/21	1.3	2.5 - 3.5	20 psi	10 psi
		1.3	Full Open	20 psi	10 psi
Iwata W400 LV	All Clearcoats except IPC15/21 IPC15/21	1.3 - 1.4	2.5 - 3.5	30 psi	N/A
		1.4	Full Open	30 psi	N/A
Sata NR3000	All Clearcoats except IPC15/21 IPC15/21	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 IPC15/21 IPC15/21	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 IPC15/21 IPC15/21	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 Martin Senour Company District Manager for assistance.**