



Montana® Big Sky® Product Information Sheet

Technical Support (800) 328-4892

TDS_BS_CRV22

CRV22™ Crystal Clear Acrylic Urethane Clearcoat

READ ENTIRE PRODUCT INFORMATION SHEET PRIOR TO USE. IF ANY QUESTIONS ARISE, PLEASE CALL TECHNICAL SUPPORT.

COMPONENTS (REQUIRED)



CRV22™ Clear
CR22AF™ / AM / AS / AES Activator

SPECIALTY COMPONENTS (OPTIONAL)

CR22ACC™ Accelerator
CR22FEE™ Fisheye Eliminator
TH035™/36™/37™ Zero VOC Reducer
SP40™ Universal 2.1 VOC Matting Base

DESCRIPTION:

CRV22™ Crystal Clear, 4.2 VOC medium solids universal clearcoat, provides excellent flow, leveling, rich gloss, good durability, and chemical resistance. CRV22™ acrylic urethane clear offers excellent UV protection and has great next day buffability. **Note:** This clear also integrates with the System 22™ Color System.

PREPARATION

APPLY BASE COAT AS NEEDED WITH PROPER FLASH TIME BETWEEN COATS. ALLOW BASE TO DRY 20- 30 MINUTES AT 75F/23C BEFORE APPLYING CLEAR

COMPATIBLE SUBSTRATES

- Big Sky® System 10™ Acrylic Enamel Single Stage Color (when activated)
- Big Sky® System 22™ Acrylic Urethane Single Stage Color
- Big Sky® System 50™ SkyBase® Basecoat
- Sky Fleet™ System 12™ Acrylic Enamel Single Stage Color (when activated)
- BASF® Diamont™ Basecoat
- BASF® Glasurit™ Line 54 Basecoat
- Axalta® ChromaBase® Basecoat
- Axalta® ChromaPremier® Basecoat
- Martin Senour® TEC® Base
- PPG® Concept DBC®
- PPG® Deltron DBU®
- Sherwin-Williams® Ultra 7000 Basecoat®
- Sikkens® Autocryl® Base
- Spies Hecker® Permacron®
- Valspar® Basecoat
- **Note:** This clear can be applied over a RTS VOC of 6.6 on the basecoat and maintain a 5.0 VOC base & clear combined RTS. Do not use over lacquer.

MIX BY VOLUME



- 4 Parts CRV22™ Clear
- 1 Part CR22AF™, CR22AM™, CR22AS™, or CR22AES™ Activator (see chart for proper activator selection)

Note: If a slight reduction is desired for blending needs, TH035/36/37 Zero VOC Reducer may be used, at a rate of up to 10%, while maintaining the RTS VOC of 4.2.

Proper Activator Selection	
CR22AF™ Fast	63 – 78°F/17 – 25°C
CR22AM™ Medium	75 – 88°F/23 – 31°C
CR22AS™ Slow	85 - 100°F/29 – 37°C
CR22AES™ Extra Slow	90 - 105°F/32 – 40°C

SPECIALTY COMPONENTS



Accelerator - If needed, use 1 – 2 ounces of CR22ACC™ Accelerator per ready-to-spray gallon (or ¼ - ½ ounce per ready-to-spray quart).



Fisheye Eliminator – If needed, add 1 – 2 ounces of CR22FEE™ per ready-to-spray gallon (or ¼ - ½ ounce per ready-to-spray quart).



POT LIFE

- 2 – 3 hours at 75°F/23°C.

EQUIPMENT SETUP



HVLP Gravity
HVLP Siphon

Fluid Tip

1.3 – 1.4 mm
1.3 – 1.4 mm

Air Pressure

5 – 10 PSI at the cap
27- 32 PSI inlet pressure

APPLICATION



- Allow basecoat to dry according to manufacturer suggested dry times. Apply one medium-wet coat and allow 15-minutes flash & Apply a 2nd full wet coat.
- A 3rd coat may be applied if extensive sanding and polishing is anticipated.
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When used in conjunction with System 22™ Color

Topcoating – Properly activated CRV22™ Clear may be applied directly over System 22™ Color.

- Allow solid colors to flash 20 – 30 minutes before clearcoating.
- Allow metallic colors to flash 30 – 45 minutes before clearcoating to avoid metallic shift.
- Mix CRV22™ Clear according to directions, and apply over properly mixed System 22™ Color.

Integrated – Properly activated CRV22™ Clear may be mixed up to 100% (1:1) with pre-reduced and activated System 22™ Color – this will provide a deep, rich finish with added protection.

- Apply 2-coats of activated color, allowing appropriate flash times between coats – each coat should be hand slick before applying more color or integrated color and clear.
- Mix CRV22™ Clear according to directions, and mix with remaining pre-activated color, up to 100% (1:1).
- Apply final coat of integrated color and clear.

BAKING

- No purge time is necessary (when used as basecoat/clear).
- Allow 15 – 20 minute purge when using in conjunction with System 22™.
- Bake 35 – 45 minutes at 140°F/60°C.

RECOAT ABILITY

- Allow clear to dry overnight at 75°F/23°C prior to reapplying color coat
- Re-clearing may be done as soon as 16 hours or up to 72 hours without having to scuff clear.

PHYSICAL & WEATHERING DATA

- Do not expose to Rain for the first 24 hours when air dried. Excessive moisture on fresh clear can cause a milkiness appearance within the film.

Mixed 4:1	
Dust Free	Approximately 15 – 20 minutes
Dry to Polish	See Light Polishing data
Dry to Buff/Compound	20 hours at 75°F/23°C
Cure	7 days at 75°F/23°C
Direct Impact	+ 80 ft/lbs
Reverse Impact	50 ft/lbs
Chemical Resistance	MEK pass 100 double rubs Xylene pass 100 rubs
RTS VOC	4.19 lbs/gallon
RTS Volume Solids	34.60%
RTS Weight Solids	40.20%
DFT per Coat	1.10 ± .20
Flash Point	See SDS

WEATHERING DATA

Gloss Meter Angle	Initial Gloss	1000 Hours QUV Exposure
20°	89.00	82.00
60°	94.00	89.00

CLEAN-UP

Clean spray equipment immediately following application with a quality thinner or spray gun cleaner.

DISPOSAL

Dispose of all paint and paint related materials in accordance with state and local regulations.

SAFETY & HEALTH

Read and follow all technical product information, labels, and SDS prior to application. Keep product out of reach of children and animals. Always wear proper safety equipment (respirator, gloves, eye, and clothing protection) when using this product.

COMPANY INFORMATION

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