



Challenger® CH3031 2K Panel Clearcoat




COMPONENTS
CH3031 2K Panel Clearcoat
CH0050, CH0055, CH0060,
CH0065 Hardeners



APPLICATION
2-3 single coats
Allow 10 minutes flash off
between coats




MIX RATIO
3 : 1



DRY TIME
Air dry:
Hand slick: 20 minutes @77°F
Bake: 30-40 Minutes @140°F



VISCOSITY
Zahn #2
17-19 seconds



VOC
511 grams / liter
4.3 lbs / gallon



GENERAL

DESCRIPTION

This two-component high build medium solids clearcoat is formulated for the Challenger Basecoat system. It is quick dry with excellent gloss and flow characteristics. Challenger CH3031 2K Panel Clearcoat is designed to provide a proper film build after application of two coats.

COMPATIBLE COATINGS

Compatible with Challenger basecoat.

The products referenced herein may not be sold in your market. Please consult your distributor for product availability.



MIXING

COMPONENTS

Mix 3 parts Challenger CH3031 2K Panel Clearcoat to 1 part Challenger Hardener. Mixed VOC 4.2 lbs/gal.

Component	Volume
Challenger CH3031 2K Panel Clearcoat	3
Challenger Hardener	1
CH0050 Very Fast	59 – 72°F (15 – 22°C)
CH0055 Fast	59 – 77°F (15 – 25°C)
CH0060 Medium	72 – 95°F (22 – 35°C)
CH0065 Slow	95°F + (35°C +)

Package Sizes

- 1 gallon (3.785 Liters)
- 1 quart (0.95 Liters)

INITIAL APPLICATION VISCOSITY

Zahn #2 Viscosity 17-19 seconds

POT LIFE

When mixed, 3 hours @ 77°F (25°C)



APPLICATION

APPLICATION EQUIPMENT

HVLP Gravity	1.3 -1.4 mm	8-10 PSI	at the cap
High Efficiency	1.3 - 1.4 mm	27-32 PSI	at the gauge

Note: Refer to spray gun manufacturer for further information regarding HVLP Inlet Pressures

SURFACE PREPARATION

Apply basecoat as needed and allow to flash 15 to 20 minutes @ 77°F (25°C). When applying over a water basecoat, allow an additional 20 minutes.

APPLICATION

Apply 2 to 3 single coats allowing 10 minute flash off between coats or hand slick.

Notes:

- Cooler temperatures and thicker films may require longer flash times. Do not expose to rain or excessive moisture for 24 hours after spraying.
- Applying graphics best after 7 days or a full cure to avoid Decal Blistering.
- When baking, no flash time needed. Go straight to bake.

RECOAT

Can be recoated after 24 hours. Best after full cure: 7 days @ 77°F (25°C).



DRY TIMES

**AIR DRY
77°F (25°C)**

Hand Slick	20 Minutes
Hard Dry	24 Hours
To Light Polish	6 Hours
To Heavy Compound	10 Hours
Force Dry Time	30-40 Minutes @140°F (60°C)
Infrared Short Wave	3-5 Minutes half power followed by 10-15 Minutes full power @ 36"



PHYSICAL PROPERTIES

Theoretical Coverage at 1 mil	526 ft ² /RTS Gal (12.9 m ² /RTS L)
Recommended Dry Film Thickness:	2.0 to 2.5 mil in 2 coat
Flash Point:	See SDS

STORAGE CONDITIONS

Store in a dry, well ventilated area. Storage temperatures should be between -30°F (-34°C) and 120°F (48°C).

VOC REGULATED AREAS

All Values Ready To Spray

	Standard Reduction (3:1)
Max. VOC (LE)	511 g/L (4.3 lbs./gal)

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing usage and recommendations in the VOC Compliant Products Chart for your area.

SAFETY AND HANDLING

For industrial use only by professional, trained painters. Not for sale to or use by the general public. Before using, read and follow all label and SDS precautions. If mixed with other components, mixture will have hazards of all components.

Ready to use paint materials containing isocyanates can cause irritation of the respiratory organs and hypersensitive reactions. Asthma sufferers, those with allergies and anyone with a history of respiratory complaints must not be asked to work with products containing isocyanates.

Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves.

Revised: January 2023

In the United States:
1.855.6.AXALTA
ChallengerCoatings.us

