



Challenger® CH2012 DTM Primer




COMPONENTS
CH2012 DTM Primer
CH0050, CH0055 or CH0060
Hardener



APPLICATION
1-3 coats
5-10 minute flash off between
coats




MIX RATIO
4 : 1



DRY TIME
Air dry: 1 hour @75°F (24°C)
per 1-2 coats
Bake: 20 minutes @140°F (60°C)



VISCOSITY
Zahn #3
11-13 seconds



VOC
575 grams / liter
4.8 lb / gallon



GENERAL

DESCRIPTION

Challenger CH2012 is a 4.8 lb/gal (575 g/l) VOC compliant, 2K urethane, direct to metal primer-filler designed to provide high build and an exceptionally free-sanding film without shrinkage or sand scratch swelling.

COMPATIBLE SUBSTRATES

Properly cleaned and prepared steel, stainless, aluminum and galvanized metal. Properly sanded and prepared OEM finishes, cured paint, cured body filler and properly sanded fiberglass. Properly prepared rigid plastic.

COLOR

- CH2012 Grey

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



MIXING

COMPONENTS

Mix 4 parts Challenger CH2012 DTM Primer to 1 part Challenger CH0050, CH0055 or CH0060 Hardener. Spray viscosity 11-13 seconds in Zahn #3 @ 77°F (25°C).

Component	Volume
Challenger CH2012 DTM Primer	4
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)

Package Size

- 1 gallon (3.785 liters)

INITIAL APPLICATION VISCOSITY

Zahn #3 Viscosity 11-13 seconds

POT LIFE

1 Hour @75°F (24°C)



APPLICATION

APPLICATION EQUIPMENT

HVLP Gravity	1.7 - 1.9 mm	7 - 9 PSI	at the cap
High Efficiency	1.7 - 1.9 mm	21 - 28 PSI	at the gauge

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

SURFACE PREPARATION

Remove dust or oxidation prior to applying primer by media blasting, grinding or sanding. Be certain all surfaces are free of waxes, oils, grease or other contaminants.

NOTE: Do not use over lacquer primer, lacquer finishes or uncured substrates.

APPLICATION

Apply in single wet coats, allowing 5-10 minute flash at 75°F (24°C) between coats. For standard fill: We suggest 2 coats maximum. If 3 coats are applied, allow for overnight drying. 2 mils minimum final film is need to provide good corrosion protection.



DRY TIMES

AIR DRY

1 hour @75°F (24°C) per 1-2 coats
Over night for high build 3 coats

BAKE

20 minutes @140°F (60°C)

INFRARED SHORT WAVE

20 minutes full power @36"



PHYSICAL PROPERTIES

Recommended Film Thickness	50 microns /2.0 mils per coat – Dry Film Build
Recommended Coats	1-3 (x1)
DFT per Coat	Approximately 2.0 mils
Theoretical Coverage:	663 ft ² at 1 mil
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 (4:1)
Max. VOC (LE)	575 g/L (4.8 lb./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.

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In the United States:
1.855.6.AXALTA
ChallengerCoatings.us

