

2K PRIMER 4:1 ACTIVATOR

Urethane Primer Activator | Polyurethane Primer Hardener

For professional use only

VERSION

Version 1

Date 11 December 2018

PRODUCT DESCRIPTION

2K Primer 4:1 Activator is a hardener for 2K Primer 4:1. It provides excellent adhesion to all metals and protects against harsh conditions that can cause rust on steel surface. In addition, it can be used as heavy build filler without affecting the gloss of top/base coat.

KEY CHARACTERISTICS

- Quick dry
- Primer or sealer
- Ease of sanding

PHYSICAL PROPERTIES

Color	Transparent Liquid
Usage	Activator for 2K Primer
Substrate or Primer	• Body Filler or Polyester Putty • Metal substrate • OEM paint or original paint • Primer: Etch Primer, Epoxy Primer, 1K Primer, or 2K Primer For the best adhesion and corrosion protection, it is recommended to apply etch primer to bare steel.

MIXING AND RELATED PRODUCTS

Mixing	By volume Paint : Hardener : Thinner = 4 : 1 : 1 (Sealer) / 4 : 1 : 3 (Primer)	
Primer	2K Primer 4:1 #80-0094	
Reducer	Thinner	Temperature
Thinner	2K Thinner Fast #86-116 2K Thinner Medium #86-117 2K Thinner Slow #86-120	60 – 70°F (15 – 21°C) 70 – 80°F (21 – 26°C) > 80°F (> 26°C)
Spray	NK #2 (Seconds)	Zahn #2 (Seconds)
Viscosity at 86°F (30°C)	11 – 16 Seconds	20 – 24 Seconds
Pot Life at 86°F (30°C)	4 Hours	

APPLICATION

Surface Preparation	Clean surface from any contamination. Wash surface thoroughly with soap and water. Rinse and wipe dry with clean cloth. Finally, clean surface using Wiping Solvent #85-4 (slow) or #85-7 (fast) with clean cloth. Sand steel, aluminum, or galvanized metal with 150 – 240 grit sand paper. Primer can be applied direct to metal; however, for improved adhesion to metal, we recommend priming with Epoxy Primer #58-xxxx or Etch Primer/Wash Primer #82-xxxx. OEM or Original Paint must be cured and sanded with 150 – 240 grit sand paper. Clear or lacquer must be sanded with 150 – 240 grit sand paper before to avoid lifting. Body filler or fiberglass must be sanded with 150 – 240 grit sand paper.
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Spray Condition	Gun Type	HVLP/LVLP	Conventional Feed
	Fluid Tip	1.4 – 1.8	1.4 – 1.8
	Air Pressure	8 – 10 PSI	30 – 45 PSI
	Spray at paint gun manufacturer's recommended air pressure.		
Application	Mix 4 parts of primer to 1 part of hardener and to 1 part of 2K thinner. Apply 2 – 3 medium wet coats, allowing 5 – 10 minutes flash time between coats.		
Number of Coats	2 – 3 Coats		
Thickness	0.06 – 0.07 mils / 60 – 70 microns (μ) per coat (dry film thickness)		
Coverage Area	By theory, 35 – 40 m ² per gallon at 35 microns (μ).		
Flash Times	5 – 10 Minutes at 86°F (30°C)		
Drying Time		60 – 70 °F 15 – 21°C	70 – 80 °F 21 – 26 °C
	Touch Dry	30 – 50 Min.	15 – 25 Min.
	Hard Dry	60 – 80 Min.	40 – 50 Min.
	Ready to Sand	80 – 120 Min.	50 – 70 Min.
Sanding	Ready to sand after about 45 minutes at 86°F (30°C). Once dry sand with 400-600 grit sand paper prior to next step.		

PRODUCT SPECIFICATION

Color	Transparent Liquid
Shelf Life	1 Year
	Store in average temperature between 40 – 95 °F (5 – 35 °C). Avoid too much temperature fluctuation or direct contact with sunlight. Suitable storage temperature is 70 °F or 21°C
Product Code	Gallon #80-0094L + Hardener #21-20 Quart #80-0094 + Hardener #21-20/2

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REGULATORY DATA

RTS Regulatory Data	As packaged		As applied Mixing Ratio = 4 : 1 : 1	
	Grams / Liter	Lbs / Gallon	Grams / Liter	Lbs / Gallon
VOC Total	450	3.75	570	4.76
Regulatory VOC (less water and exempt solvent)	450	3.75	553.3	4.62
Density	1500	12.52	1220	10.18
	Wt.%	Vol.%	Wt.%	Vol.%
Total Volatile Content	70	46.67	53.28	43.67
Water	0	0	0	0
Exempt Compounds	0	0	4.55	5.76

PRECAUTION

Warning	For professional or trained applicator use only. Not for sale or use by the general public. Before use, read and follow all TDS, label, and SDS precautions. Flammable product. Keep out reach of children. Always wear approved organic vapor goggle and safety mask when using product. Apply paint in good ventilating area.
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This product data sheet is intended to describe Big-Ben's product application. It should not be therefore be constructed as guarantee in any specific property of the product. We assume no liability in connection with its use.