

# PRODUCT MANUAL



BIGBEN AUTOMOTIVE & INDUSTRIAL PAINT COMPANY



@bicben



bigbenpaints



www.bicben.com

# Direct to metal primer

58 line

## EPOXY PRIMER



PACKING SIZE		
58-XXXX Epoxy Primer	1	liter
21-17/2 2K Activator / Hardener	0.25	liter
58-XXXXL Epoxy Primer	4	liters
21-17 2K Activator / Hardener	1	liter



### Product Details

**Features:** A Two-component Epoxy Primer that contains epoxy resin as the first part and Polyamide as the second part.

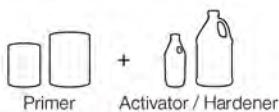
4 : 1 : 1-3	70-100 $\mu$	Touch dry		Hard dry
Epoxy Primer : 2K Activator : 2K Reducer		40-50 mins		8-10 hrs



# Direct to metal primer

82line

## ETCH PRIMER



PACKING SIZE		
82-XXXX Etch Primer	1	liter
21-1/2, 21-24/2 2K Activator / Hardener	1	liter
82-XXXXL Etch Primer	4	liters
21-1, 21-24 2K Activator / Hardener	4	liters



### Product Details

**Features:** Etch Primer / Wash Primer, is a two component adhesion promoter primer. It's 2 pack reactive polyvinyl polymer with very high anti-corrosion pigment that promotes adhesion and serves as passive treatment of metal substrate, especially Aluminum and top-grade steel.

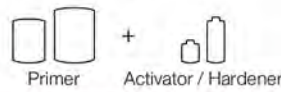
1 : 1	20-30 $\mu$		Drying Time	
Etch Primer : 2K Activator : 2K Reducer			40-50 mins	



# Primer Filler / Sealer / Surfacer

80 line

## 2K PRIMER FILLER



PACKING SIZE		
80-XXXX 2K Primer Filler	1	liter
21-20/2 2K Activator / Hardener	0.25	liter
80-XXXXL 2K Primer Filler	4	liters
21-20 2K Activator / Hardener	1	liter



### Product Details

**Features:** A Two-component Polyurethane Primer that contains polyurethane resin as the first part and isocyanate as the second part. It provides excellent adhesion to all metals and protects against harsh conditions that can cause rust on steel surface.

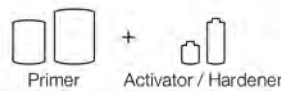
4 : 1 : 1	60-80 $\mu$	Air Dry	25°C / 77°F	21-20
2K Primer Filler : 2K Activator : 2K Reducer			Drying Time	
			40-50 mins	



# Primer Filler / Sealer / Surfacer

80line

## 2K SEALER SURFACER PRIMER



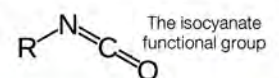
PACKING SIZE		
80-0081 2K Primer Sealer/Surfacer	1	liter
21-20/2 2K Activator / Hardener	0.25	liter
80-0081L 2K Primer Sealer/Surfacer	4	liters
21-20 2K Activator / Hardener	1	liter



### Product Details

**Features:** A Two-component Polyurethane Primer that contains polyurethane resin as the first part and isocyanate as the second part. It provides excellent adhesion to all metals and protects against harsh conditions that can cause rust on steel surface.

4 : 1 : 3	30-40 $\mu$	Air Dry	25°C / 77°F	21-20
2K Primer : 2K Activator : 2K Reducer			Drying Time	
			40-50 mins	



# Primer Filler / Sealer / Surfacer

81 line

# ACRYLIC PRIMER



Primer

PACKING SIZE		
81-XXXX Acrylic Primer / 1K Primer	1	liter
81-XXXXL Acrylic Primer / 1K Primer	4	liters



## Product Details

**Features:** Acrylic Primer is 1K primer. It's contain high performance Acrylic resin and anti-corrosion chemicals.

It's provides excellent adhesion to all metals and protects against harsh conditions that can cause rust on steel surface.

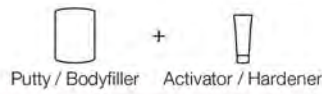
1 : 1-1.5	40-50 $\mu$	Air Dry	25°C / 77°F
Acrylic Primer / 1K Primer : Acrylic Reducer		Drying Time	
		40-50 mins	



# Body Filler / Putty

83 line

## 2K PUTTY BODYFILLER



PACKING SIZE		
83-4005 2K Putty	1	kg
21-42/S Body Filler Activator / Hardener	0.25	kg
83-4005L 2K Putty	4	kg
21-42 Body Filler Activator / Hardener	0.8	kg



### Product Details

**Features :** two component Yellow Putty that use as body filler for small and large dent area. It provides excellent adhesion to all metals.

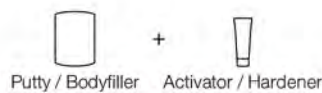
100 : 1-3%	Air Dry	25°C / 77°F	21-42
	Gel time	Ready to sand	
2K Putty : Body Filler Activator	3-4 mins	30-40 mins	



# Body Filler / Putty

83line

## BODY FILLER



PACKING SIZE		
83-4001 Body Filler	1	kg
21-3/S Body Filler Activator / Hardener	0.25	kg
83-4001L Body Filler	4	kg
21-3 Body Filler Activator / Hardener	0.8	kg



### Product Details

**Features :** two component Red Putty that use as body filler for small and large dent area. It provides excellent adhesion to all metals. In addition, it can be applied directly to metal or on primer.

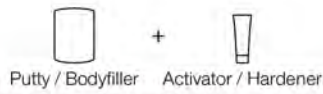
4 : 1 : 3	Air Dry	25°C / 77°F	21-3
	Gel time	Ready to sand	
Body Filler : Body Filler Activator	3-4 mins	30-40 mins	



# Body Filler / Putty

83 line

## POLYESTER PUTTY



PACKING SIZE

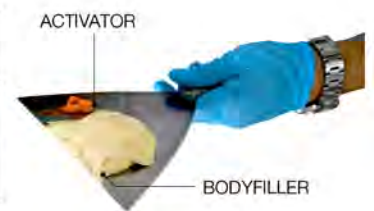
83-6200 Polyester Putty	1	kg
21-67/S Body Filler Activator / Hardener	0.25	kg
83-6200L 2K Primer Filler	4	kg
21-67 Body Filler Activator / Hardener	0.8	kg



### Product Details

**Features:** Yellow Putty BBP/RGB is two component Putty yellow that use as body filler for small and large dent area.

100 : 1-3%	Air Dry	25°C / 77°F	21-67
Polyester Putty : Body Filler Activator	Gel time	Ready to sand	
	3-4 mins	30-40 mins	



# Body Filler / Putty

83line

## NITROCELLULOSE PUTTY



PACKING SIZE

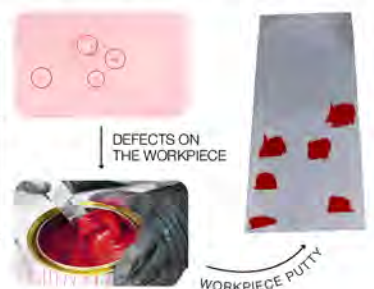
83-4000 Nitrocellulose Putty	1	kg
83-0348 Nitrocellulose Putty	1	kg



### Product Details

**Features:** A Two-component Polyurethane Primer that contains polyurethane resin as the first part and isocyanate as the second part. It's provides excellent adhesion to all metals and protects against harsh conditions that can cause rust on steel surface.

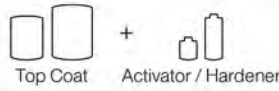
Ready to use	Air Dry	25°C / 77°F
Nitrocellulose Putty	Ready to sand	20-30 mins



# Top Coat - Solid Color

44 line

## 2K HIGH SOLID 2:1



### PACKING SIZE

44-XXXX 2K HS Finish 2:1	1 liter
21-07/2 2K HS Finish Activator / Hardener	0.5 liter
44-XXXXL 2K HS Finish 2:1	4 liters
21-07 2K HS Finish Activator / Hardener	1 liter



### Product Details

**Features:** is a 2K quality top coat. With high solid content and UV absorber, it gives excellent protection against UV Light and harsh environments. The final high gloss finish film can last long as OEM paint.

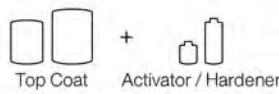
2 : 1 : 5-10%	60-80 μ	Dust free time	Dry to handle	Dry to polish
2K HS Finish : 2K HS Activator : 2K Reducer		20-30 mins	9-10 hrs	9-10 hrs



# Top Coat - Solid Color

46 line

## 2K MEDIUM SOLID 2:1



### PACKING SIZE

46-XXXX 2K MS Finish 2:1	1 liter
21-86/2 2K MS Finish Activator / Hardener	0.5 liter
46-XXXXL 2K MS Finish 2:1	4 liters
21-86 2K MS Finish Activator / Hardener	1 liter



### Product Details

**Features:** is an economic version of 2K 2:1 finish. It is ideal for spot or panel repair because of faster drying time compared with High Solid System. It offers high gloss finish and good retention.

2 : 1 : 10%	60-80 μ	Dust free time	Dry to handle	Dry to polish
2K MS Finish : 2K MS Activator : 2K Reducer		20-30 mins	9-10 hrs	9-10 hrs



# Top Coat - Solid Color

47 line



## 2K MEDIUM SOLID 4:1



PACKING SIZE		
47-XXXX 2K MS Finish 4:1	1	liter
21-33/2 2K MS Finish Activator / Hardener	0.25	liter
47-XXXXL 2K MS Finish 4:1	4	liters
21-33 2K MS Finish Activator / Hardener	1	liter



### Product Details

**Features:** A Two-component Polyurethane Primer that contains polyurethane resin as the first part and isocyanate as the second part. It's provides excellent adhesion to all metals and protects against harsh conditions that can cause rust on steel surface.

4 : 1 : 1	60-80 μm	Dust free time	Dry to handle	Dry to polish
2K MS Finish : 2K MS Activator : 2K Reducer		20-30 mins	9-10 hrs	9-10 hrs



# Top Coat - Solid Color

56 line



## BASE COAT METALLIC



PACKING SIZE		
56-XXXX Base Coat	1	liter
56-XXXXL Base Coat	4	liters



### Product Details

**Features:** 1K high performance basecoat for Automotive coating. It's provide good color strength, easy to spray, good adhesion over primed coated substrate. It's also able to apply direct to plastic such as ABS, PC/ABS.

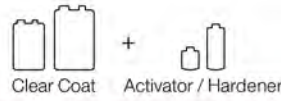
1 : 1-1.5	15-20 μm	Touch dry	Hard dry
Bass Coat : Base Coat Reducer		5-4 mins	15-20 mins



# Lacquer / Clear Coat

44 line

## 2K HIGH SOLID 2:1



PACKING SIZE	
44-8007 2K HS Clear 2:1	1 liter
21-07/2 2K HS Activator / Hardener	0.5 liter
44-8007L 2K HS Clear 2:1	4 liters
21-07 2K HS Activator / Hardener	1 liter



### Product Details

**Features:** is a premium quality fast drying lacquer. It normally recommends for whole body repaint or bus and truck coating.

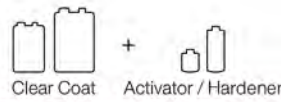
2 : 1 : 10-15%	60-80 μ	Touch dry		Hard dry
2K HS Clear : 2K HS Activator : 2K Reducer		15-20 mins		10-12 hrs



# Lacquer / Clear Coat

46 line

## 2K MEDIUM SOLID 2:1



PACKING SIZE	
46-8099 2K MS Finish 2:1	1 liter
21-86/2 2K MS Activator / Hardener	0.5 liter
46-8099L 2K MS Finish 2:1	4 liters
21-86 2K MS Activator / Hardener	1 liter



### Product Details

**Features:** is an economic fast drying lacquer 2:1. It is used for spot or panel repair. It has good flow and easily blends with original paints.

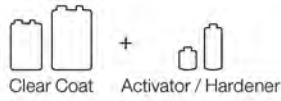
2 : 1 : 10-15%	50-60 μ	Touch dry		Hard dry
2K MS Clear : 2K MS Activator : 2K Reducer		10-15 mins		10-12 hrs



# Lacquer / Clear Coat

47 line

## 2K MEDIUM SOLID 4:1



### PACKING SIZE

47-8033 2K HS Clear 2:1	1	liter
21-33/2 2K HS Activator / Hardener	0.25	liter
47-8033L 2K HS Clear 2:1	4	liters
21-33 2K HS Activator / Hardener	1	liter



### Product Details

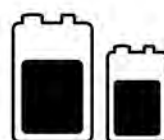
**Features:** is the quick dry version with the mixing ratio 4:1 It is ideal for spot or panel repair. it offers high gloss finish.

4 : 1 : 1	50-60 $\mu$	Touch dry	25°C / 77°F	21-33
2K MS Clear : 2K Activator : 2K Reducer		3-5 mins		8-10 hrs



# Paint is Designed for spot repair or body repaint

# Thinner



## Bic-Ben® Thinner Product Table

Our paint is designed for spot repair or body repaint

### PRODUCT CODE - NAME

	85-5	86-100	86-104	86-161	86-361	86-362	86-363
	Turpentine	Standard Thinner	Acrylic Thinner	Base Coat Thinner	2K Reducer Quick dry	2K Reducer Medium dry	2K Reducer Slow dry
Cleaning	✗	✓	✓	✗	✓	✓	✓
1K Primer	✗	✓	✓	✗	✓	✓	✓
2K Primer	✗	✗	✓	✗	✓	✓	✓
1K Top Coat N/C, Acrylic	✗	✓ Low Gloss	✓	✗	✓ High Gloss	✓ High Gloss	✓ High Gloss
1K Top Coat Enamel	✓ High Gloss	✗	✓	✓	✓	✓	✓
Base Coat	✗	✗	✗	✓	✓	✓	✓
2K Top Coat	✗	✗	✓ Low Gloss	✗	✓	✓	✓
2K Lacquer	✗	✗	✓ Low Gloss	✗	✓ High Gloss	✓ High Gloss	✓ High Gloss

Air drying	Fast	Medium	Slow	Extra Slow
Temp	☺ 25°C / 77°F			

Thinner				
Cleaning	85-4	-	85-7	-
Base Coat	-	86-160	-	-
2K Top Coat	86-361	86-362	86-363	86-364
2K Clear	86-361	86-362	86-363	86-364



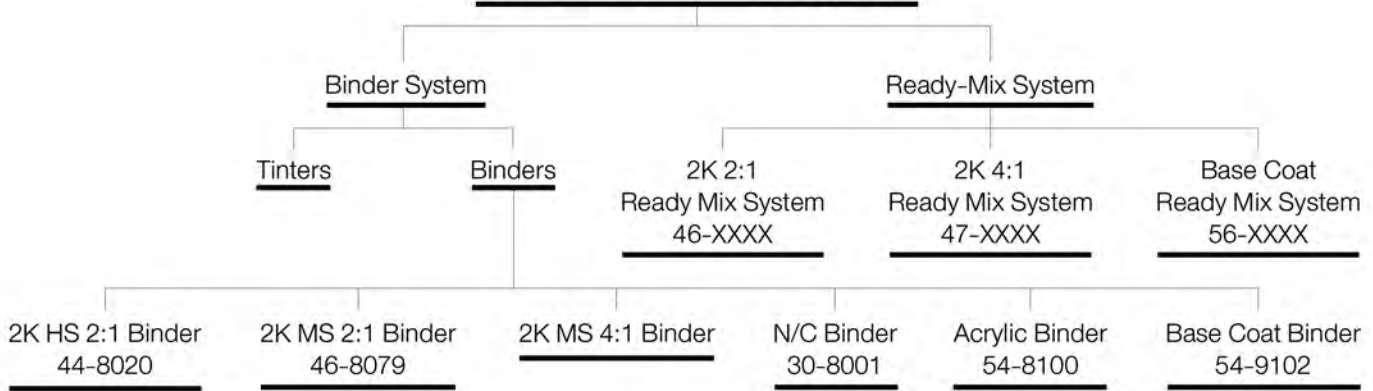
# Easy as Ever colour more than Universal Tinting System



## Bic-Ben® Tinting System

Easy as ever colour maor than

### Universak Tinting System



## Universal Tinting System Binder System

System consists of tinters and binders. Tinters are high pigmente  
You will select the binder to the type of topcoat you want to produce.



Tinter 30%



Binder 70%



Top Coat 100%

## Universal Tinting System Ready - Mix System

Is the mixing system that already incorporated binder into tinters.  
NO need to add binder later. Big-Ben offers 2 types of ready-mix system.



Easy as Ever colour more than  
**Universal Tinting System**



**Bic-Ben®**  
**Basic Colour**  
**Tinter**



600-WH1 White



600-RWH2 Light White



600-OP3 Opalescence



600-BK4 Carbon Black



600-BK5 Jet Black



600-BK6 Black High Strength



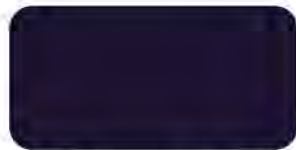
600-RBK7 Black Low Strength



600-BK8 Graphite



600-VT20 Violet



600-TBL21 Thalo Blue



600-TBL22 Blue High Strength



600-TBL26 Organic Blue



600-TBL27 Transparent Blue



600-TBL28 Fast Blue High Strength



600-TBL29 Palo Blue



600-RBL70 Fast Blue Low Strength



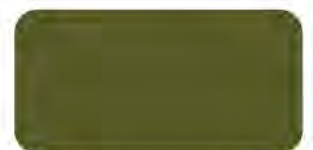
600-TGR30 Fast Green High Strength



600-TGR31 Fast Green Low Strength



600-TGR32 Green Yellow



600-TYL33 Green Gold



600-TYL41 Bright Yellow



600-YL42 Green Yellow



600-YL44 Red Yellow



600-TYL45 Transparent Yellow



600-TYL46 Orange Yellow



600-YL81 Yellow Oxide High Strength



600-RYL82 Yellow Oxide Low Strength



600-TYL90 Transparent Yellow



600-RD50 Brilliant Red



600-RD53 Red Orange



600-TRD55 Light Red



600-TRD57 Bright Red

Easy as Ever colour more than  
**Universal Tinting System**



**Bic-Ben®**  
**Basic Colour**  
Tinter



600-TRD62 Transparent Red



600-TRD63 Red Ruby



600-TRD64 Magenta Blue



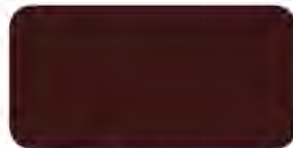
600-TRD66 Red Violet



600-RD84 Red Oxide  
High Strength



600-RRD84 Red Oxide  
Low Strength



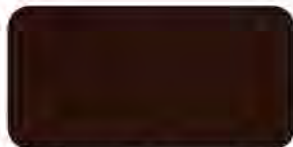
600-TRD85 Transparent Maroon



600-TRD86 Opaque Red



600-TRD91 Transoxide Red  
Transparent



600-TRD93 Transoxide Brown  
Transparent

Easy as Ever colour more than  
**Universal Tinting System**



**Bic-Ben®**  
**Pearl Colour**  
Tinter



600-PL73X White  
Pearl Translucent



600-PL732 Medium White  
Pearl



600-PL735 Crystal  
Silver Xirallic



600-PL735 Crystal  
Silver Xirallic



600-PL76X Gold  
Pearl Translucent



600-PL765 Sunbeam  
Gold Xirallic



600-PL78X Aluminium Gold  
Pearl Translucent



600-PL979 Orange Pearl



600-PL77X Copper  
Pearl Opaque



600-PL72X Russet  
Pearl Opaque



600-PL721 Satin Red Pearl



600-PL725 Radiant  
Red Xirallic



600-PL724 Interference Red  
Pearl Translucent



600-PL74X Blue Pearl  
Translucent



600-PL741 Satin Blue  
Pearl Translucent



600-PL745 Galaxy  
Blue EFY



600-PL75X Super Green  
Pearl Translucent



600-PL755 Stellar  
Green Xirallic



600-PL79X Violet  
Pearl Translucent

Easy as Ever colour more than  
**Universal Tinting System**



**Bic-Ben®**  
**Bronze Colour**  
Tinter



600-RGB10 Fine Bronze



600-RGB11 Medium  
Fine Bronze



600-RGB13 Medium  
Coarse Bronze



600-RGB14 Coarse Bronze



600-RGB17 Fine  
Bright Bronze



600-RGB23 Very  
Fine Bronze



600-RGB95 Bright  
Coarse Bronze



600-RGB97 Fine Extra  
Bright Bronze



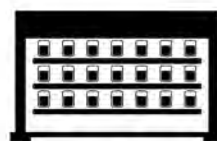
600-RGB98 Medium Fine Extra  
Coarse Bronze



600-RGB99 Extra  
Coarse Bronze

Dimension and specification

# Mixing set



## Bic-Ben® Flexi Essential Mixing Machine Set

Dimension and specification

	1-Meter		1.5-Meter	
Mixing Shelf	Mixing Heads Per Shelf			
1L x 5 Shelves	8		12	
4L x 1 Shelf	5		8	
Length	1,155	mm.	1,620	mm.
	45.47	in.	63.77	in.
Height	63.77	in.	1,995	mm.
	78.54	in.	78.54	in.
Depth	78-54	in.	530	mm.
	20.86	in.	530	mm.
	20.86	in.	20.86	in.

- ▶ Standard mixing shelf will have 6 shelves: 5 shelves x 1L and 1 shelf x 4L. However, it can be customized to meet your requirement e.g. 4 shelves x 1L and 2 shelves x 4L.
- ▶ Non-Atex motor module (complies with EU requirements), 750w - 50/60 Hz with electronic control box.

## Mixing lids : 1L and 4L



- ▶ Ready to use: fully assembled with no loss time
- ▶ Redesigned pouring spout for continuous paint flow and accurate dosing control.
- ▶ Improved sealing system.
- ▶ Anti-adhesive shutter to prevent pouring spout and shutter from sticking when paint dries.
- ▶ Ergonomic and comfortable handle grip.

## Mixing scale : Sartorius



- ▶ Up to 10 kilograms
- ▶ +/- 0.01 gram



# CONTACT

## Factory 1

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Fax +66-2-811-0632

Email : [bicben@bicben.com](mailto:bicben@bicben.com)

[www.bicben.com](http://www.bicben.com)

## Factory 2

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