

BIG-BEN AUTOMOTIVE & INDUSTRIAL PAINT COMPANY



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PRODUCT MANUAL

YEAR



2022-23

BIG-BEN (PAINTS) CO., LTD.

IS THE PAINT MANUFACTURER AND DISTRIBUTOR FROM THAILAND ESTABLISHED IN JULY 1992. OUR VISION IS TO BE A COATING SOLUTION PROVIDER WHERE CUSTOMERS GAIN MUTUALLY BENEFIT PARTNERSHIPS IN DEVELOPMENT OF HIGH QUALITY PRODUCTS WITH PROFESSIONAL SERVICES. BIGBEN OFFERS MORE THAN 500 DIFFERENT PAINT PRODUCTS COVERING FIVE AREAS, NAMELY AUTOMOTIVE REFINISH, DECORATIVE COATINGS, INDUSTRIAL COATINGS, WOOD COATINGS, AND SPECIAL COATINGS.

► QUALITY & MANUFACTURING

BIGBEN HAS CONTINUOUSLY ENHANCED AND IMPROVED PRODUCTION PROCESS TO ACCOMMODATE CUSTOMERS' REQUIREMENTS AND FUTURE GROWTH. FOR THE PRODUCTION PROCESS, WE HAVE IMPLEMENTED THE COMPUTERIZED PRODUCTION PROCESS WHICH SPANS FROM RAW MATERIAL ACQUISITION, MANUFACTURING PROCESS, QUALITY ASSURANCE, AND QUALITY CONTROL. BIG-BEN MAKES SURE THAT EVERY SINGLE PRODUCT HAS BEEN TESTED WITH THE CONSISTENCY BETWEEN BATCHES. THAT IS WHY BIG-BEN'S PRODUCTION PROCESS HAS BEEN ACCREDITED BY INTERNATIONAL STANDARD ISO 9001.

► RESEARCH & DEVELOPMENT

BIGBEN HAS CONTINUOUSLY RESEARCHED AND DEVELOPED OUR PRODUCTS. OUR RESEARCH TEAMS CONDUCT THEIR EXPERIMENTS AT THE STATE-OF-ART WELL EQUIPPED LABORATORY THAT MEET INTERNATIONAL TESTING STANDARDS INCLUDING WEATHERING TEST, SALT SPRAY TEST, ETC. THIS WILL ENSURE THAT YOU WILL HAVE QUALITY PRODUCTS THAT MEET YOUR REQUIREMENTS. FURTHERMORE WE CONSISTENTLY IMPROVE NOT ONLY BETTER PRODUCTS BUT ALSO EASIER WAYS TO USE OUR PRODUCTS.

► TECHNICAL SUPPORT

BIGBEN HAS COMMITTED NOT ONLY TO IMPROVE PRODUCTS BUT ALSO TO TRAIN HOW TO APPLY OUR PRODUCTS CORRECTLY, THIS WILL HENCE ENHANCE THE LONG TERM DURABILITY AND BENEFIT YOU IN BOTH TIME AND MONEY. THE TRAINING WHICH COVERS BOTH THEORETICAL AND PRACTICAL LESSONS, IS REGULARLY HELD FOR OUR DEALERS AND END-USERS AT OUR TRAINING CENTER. IN ADDITION, WE PROVIDE ON SITE TECHNICAL SUPPORTS.

► ENVIRONMENT FRIENDLY

BIGBEN HAS LONG TERM GOAL TO PROVIDE YOU WITH THE ENVIRONMENTAL FRIENDLY PRODUCTS, THIS IS THROUGH THE NEW AUTOMOTIVE REFINISH SYSTEM: LE SERIES AND WATER-BORNE SERIES. BIG-BEN HAS BEEN CERTIFIED WITH ISO 14001.



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WE ARE?**



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SPECIFICATION AND TECHNICAL TERMS ◀

REFINISH PROCESS: THE PROCESS IN WHICH PAINTER WILL TRY TO RETRIEVE TO ORIGINAL PAINT CONDITION. UNLIKE OEM PROCESS, THE REFINISH PROCESS TYPICALLY IS DONE BY AIR DRY OR CHEMICAL DRY. REFINISH PROCESS STARTS WITH INSPECTION OF EXISTING PAINT. IF THE ORIGINAL PAINT IS CHALKY, REMOVE EXISTING PAINT TO BARE STEEL.

APPLY DIRECT-TO-METAL PRIMER TO PREVENT RUSTING. LEVEL THE SURFACE WITH BODY FILLER OR POLYESTER PUTTY. THEN FURTHER SMOOTH OUT THE SURFACE BEFORE TOP COAT WITH SECOND PRIMER. FINISH OFF WITH TOP COAT WHICH CAN BE EITHER SOLID FINISH OR BASE COAT/CLEAR. TO ENHANCE THE FINAL GLOSS, YOU MAY APPLY CLEAR COAT.

TABLE OF LAYERS OF COLORS ◀

	Detail	texture
Top Coat / Clear Coat	Top Coat / Clear Coat N/C I Acrylic I 2K I Base Coat / Clear System	
Primer before Top Coat	Primer before Top Coat N/C Primer I Acrylic Primer I 2K Primer	
Body Filler or Putty	Body Filler I Putty	
Direct to Metal Primer	Wash Primer I Epoxy Primer I 2K Primer	



Levelling / Pin Holes / Scratch

- ? Check Quality of Old Paint
- ✓ Skip to next step
- ✗ Remove old paint and redo direct to the metal primer

Single Stage or
Two-Stage System

1K/2K are the types of paint. K here stands for component. 1K means single component paint. The drying of 1K comes from evaporation of thinner inside. 2K means two-component. It comes with hardener. The drying of 2K comes from the chemical reaction between paint and hardener. Also when using 2K paints, you have to be careful about pot life or gel time of mixture. Once you mix hardener to paint, the pot life is 4 hours, except body filler and putty, where pot life is 5 minutes.

Hardener is chemical substance used to mix with 2K paint. It helps to harden the film by chemical reaction. Hardener is also known as activator.

Thinner is solvent used to dilute the paint down to application viscosity. In some countries, e.g. USA, thinner refers to solvent used in cleaning process, while reducer refers to solvent used to dilute down the paint. However, in this manual, we will use thinner and reducer interchangeably.

Mixing ratio is the recommended mixture volume of paint. The mixing ratio in this book refers as PAINT : HARDENER : THINNER. All mixing ratio is by volume.

Cleaning is strongly recommended for every step of refinish process. Degreaser #85-4 or #85-7 helps to remove adhesives, dirt, dust, fingerprint, grease, oil, silicone, sanding residue, or wax on the prepared surface.

PRODUCT CODE ◀◀

AAA-BXXX

B refers to product shade. E.g.
O means black.

AAA represents product type. E.g.
80 means 2K primer.
560 means LE Base Coat

SANDING GUIDELINE ◀◀

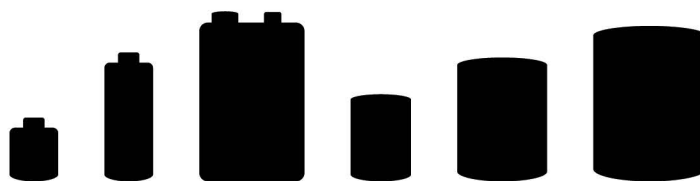
	Sanding with Orbital Sander	Manual Sanding
Direct-Metal Primer	> P400	> P180
Body Filler Heavy Weight	> P80	> P80
Putty Light Weight	> P240	> P240
Primer before Top Coat	> P400	> P400
Base Coat (Optional)		

RECOMMENDED SPRAY SPECIFICATION ◀◀

Product	HVLP Spray Gun	Gravity or Suction Spray Gun
Primer	Nozzle 1.4-1.7 mm. Max 10 psi.	Nozzle 1.6-1.8 mm. Air Pressure 35-40 psi.
Solid Colors	Nozzle 1.0-1.2 mm. Max 10 psi.	Nozzle 1.5-1.6 mm. Air Pressure 35-40 psi.
Metallic Base Coat	Nozzle 1.0-1.2 mm. Max 10 psi.	Nozzle 1.3-1.4 mm. Air Pressure 35-40 psi.
Clear Coat	Nozzle 1.0-1.2 mm. Max 10 psi.	Nozzle 1.4-1.6 mm. Air Pressure 35-40 psi.

PACKAGING SIZES ◀◀

Most of products here are packed in 1L or 4L. Hardener packaging is corresponding with Part A. e.g. if the product is in 1L and mixing ratio is 4:1, hardener will be packed as 0.25L. Thinner and solvent packaging include: 1L, 4L, 18L, and 200L. Big-Ben also has packaging in metric system where 1 Gallon is 3.785 liters.



➤ PREPARATION

DEGREASER ◀◀



Product details

Feature	Is designed as for surface preparation sanding or body works, and as a cleaner before top coat or clear coat. It helps to remove adhesives, dirt, dust, fingerp.		
Type	85-4	Degreaser (Fast)	
	85-7	Degreaser (Slow)	
Packing Size	85-X	Degreaser	1 liter
	85-XL	Degreaser	4 liters

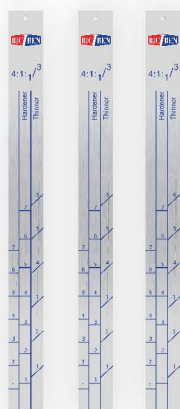
HVLP SPRAY GUN ◀◀



Mixing shelf	HVLP
Nozzle Range	1.0 - 2.0 mm
Pattern (1.33 mm)	200 - 400 mm 7.9 - 9.4 in
Recommended air inlet pressure	2.0 bar 29 psi
Weight (gun only)	498 grams
Material	Aluminum die-casted/forged
Body	Special selected brass
Air Cap	High grade stainless steel
Nozzle/Fluid Tip	High grade stainless steel
Needle	High grade stainless steel

For top coat and general purpose gravity feed.

MIXING STICK ◀◀ FOR PAINT



- Mixing #2:1 and #4:1
- Mixing #3:1

➤ PREPARATION

SOTA® SAND PAPER ◀◀



Sota® Waterproof sand paper or abrasive paper is made from latex paper for long lasting and reusability. Ultra-flexibility helps easy edge sanding. Applicable for both wet and dry sanding. Standard size is 230 x 280 mm (9 x 11 inches).

Available in grit number :

P60, P80, P100, P120, P150, P180, P220, P240, P280, P320, P360, P400, P600, P800, P1000, P1200, P1500, P2000

TACK CLOTH ◀◀



Is ready to use single-pack cleaning cloth with degreaser. It helps to remove adhesives, fingerprint, grease, oil, silicon, sanding residue, or wax on the surface.

Available in 100 cloth per box.

GET READY

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PRIMER

BICBEN offers

several types of primers
and can be classified into two groups,
i.e. single and two-component primers.

➤ Primers with hardener (2-component)
include: epoxy primer, wash primer,
and 2K polyurethane primer.

➤ Primers without hardener (1-component)
are: acrylic primer, nitrocellulose
primer, and plastic primer.

EPOXY PRIMER ◀◀

Available in following shades:

58-0001
58-0109
58-3016
58-5200



Product details

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



Spray Method

Spray 2 coats with the flash off time 15 minutes. Pot-life after mixing is 6 hours. (depending on environment).

Coverage: Approximately 8-10 m²/liters of un-mixed paint per single coat.

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-17	-	-
Temp	☺ 25°C / 77°F			
Touch dry	-	40-50 mins	-	-
Hard dry	-	8-10 hrs	-	-

Mixing Ratio	Thickness Per Coat
Epoxy Primer : 2K Activator : 2K Reducer	70-100 μ
4 : 1 : 1-3	

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

Related Products	
21-17	2K Activator / Hardener
86-145	2K Reducer / Thinner



➤ DIRECT TO METAL PRIMER

82 LINE

ETCH PRIMER ◀

Available in following shades:

82-0001
82-0081
82-3000
82-5001
82-6004



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.



Spray Method

Spray paint 2 coats, resting at least 15 minutes pot life is 12 hours. (depending on environment)

Coverage: Approximately 8-10 m²/liters of un-mixed paint per single coat.

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-1 / 21-24	-	-
Temp	☺ 25°C / 77°F			
Drying Time	-	40-50 mins	-	-

Mixing Ratio	Thickness Per Coat
Etch Primer : 2K Activator : 2K Reducer	20-30 μ
1 : 1	

Packing Size			
82-6004	Etch Primer	1	liter
21-1/2	2K Activator / Hardener	0.25	liter
82-6004L	Etch Primer	4	liters
21-1	2K Activator / Hardener	1	liter
82-0001	Etch Primer	1	liter
21-24/2	2K Activator / Hardener	0.25	liter
82-0001L	Etch Primer	4	liters
21-24	2K Activator / Hardener	1	liter

Related Products	
21-1	2K Activator / Hardener
21-24	2K Activator / Hardener
86-114	2K Reducer / Thinner



2K PRIMER FILLER ◀◀ 2K POLYURETHANE PRIMER

Available in following shades:

80-0001
80-0094
80-5300
80-6070



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. In addition, it can be used as heavy build filler without affecting the gloss of top/base coat.



Spray Method

As adhesion promoter (between putty and top coat), apply 2 coats. Recommended dry film thickness at 20-30 microns. As sealer, apply 2-3 coats.

Coverage: Approximately 9-10 m²/liters of un-mixed paint per single coat.

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-20	-	-
Temp	☺ 25°C / 77°F			
Drying Time	-	40-50 mins	-	-

Mixing Ratio	Thickness Per Coat
2K Primer Filler : 2K Activator : 2K Reducer	60-80 μ
4 : 1 : 1	

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

Related Products	
21-20	2K Activator / Hardener
86-115	2K Reducer / Thinner



2K PRIMER SEALER / SURFACER ◀

2K POLYURETHANE PRIMER

Available in following shades:

80-0081



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. In addition, it can be used as heavy build filler without affecting the gloss of top/base coat.



Spray Method

As adhesion promoter (between putty and top coat), apply 2 coats. Recommended dry film thickness at 20-30 microns. As sealer, apply 2-3 coats.

Coverage: Approximately 9-10 m²/liters of un-mixed paint per single coat.

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-20	-	-
Temp	☺ 25°C / 77°F			
Drying Time	-	40-50 mins	-	-

Mixing Ratio	Thickness Per Coat
2K Primer Sealer/Surfacer : 2K Activator : 2K Reducer	30-40 μ
4 : 1 : 3	

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

Related Products	
21-20	2K Activator / Hardener
86-115	2K Reducer / Thinner

ACRYLIC PRIMER ◀◀ 1K PRIMER

Available in following shades:

81-0001
81-0081
81-0222
81-5001



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. In addition, it can be used as heavy build filler without affecting the gloss of base coat or clear coat.



Spray Method

As adhesion promoter (between putty and top coat), apply 2 coats. Recommended dry film thickness at 40-50 microns. As sealer, apply 2-3 coats.

Coverage: Approximately 10-12 m²/liters of un-mixed paint per single coat.

Air Drying

Temp	25°C / 77°F
Drying Time	40-50 mins

Mixing Ratio	Thickness Per Coat
Acrylic Primer / 1K Primer : Acrylic Reducer	40-50 μ
1 : 1-1.5	

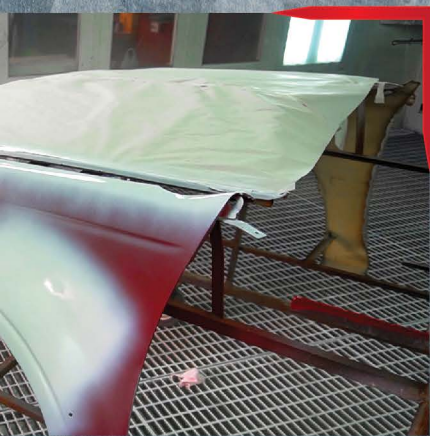
Packing Size			
81-XXXX	Acrylic Primer / 1K Primer	1	liter
81-XXXXL	Acrylic Primer / 1K Primer	4	liters

Related Products	
86-104	Acrylic Reducer / Thinner






COATING IS AS
EASY AS



3
EVER.



BODY FILLER

➤ BODY FILLER TYPICALLY REFERS TO HEAVY WEIGHT POLYESTERBASED PUTTY WHICH FILL THE LARGE OR DEEP DENTED AREA, WHILE PUTTY REFERS TO LIGHT WEIGHT WHICH COVERS SANDING MARKS, PINHOLES, OR SCRATCHES.

➤ BICBEN® ALSO OFFER 2K PUTTY WHICH CAN FUNCTION AS BOTH HEAVY WEIGHT AND LIGHT WEIGHT PUTTY. TRADITIONAL 1K N/C PUTTY IS ALSO AVAILABLE.

2K PUTTY ◀

Available in following shades:

83-4005



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 apply direct to metal or on primer. It's can used as heavy build filler without affecting the gloss of top/base coat.



How to use

Apply thin layer (<3 mm). Slow build the layer until achieve your target thickness. Be careful when mixed with hardener, pot life is 3-4 minutes at 30°C / 86°F Allow 8-10 minutes flash off time between layers at 30°C / 86°F

Air Drying

Hardener	21-42
Gel time	3-4 mins
Ready to sand	30-40 mins

Mixing Ratio

2K Putty : Body Filler Activator	100 : 1-3%
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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

Related Products

21-42	Body Filler Activator / Hardener
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BODY FILLER ◀

Available in following shades:

83-4001



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 apply direct to metal or on primer. It's can used as heavy build filler without affecting the gloss of top/base coat.



How to use

Apply thin layer (<3 mm). Slow build the layer until achieve your target thickness. Be careful when mixed with hardener, pot life is 3-4 minutes at 30°C / 86°F. Allow 8-10 minutes flash off time between layers at 30°C / 86°F.

Air Drying

Hardener	21-3
Gel time	3-4 mins
Ready to sand	30-40 mins

Mixing Ratio

Body Filler : Body Filler Activator	100 : 1-3%
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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

Related Products

21-3	Body Filler Activator / Hardener
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POLYESTER PUTTY ◀

Available in following shades:

83-6200



Product details

Features: Yellow Putty BBP/RGB is two component Putty yellow that use as body filler for small and large dent area. It's provides excellent adhesion to all metals In addition, it can be apply direct to metal or on primer. It's can used as heavy build filler without affecting the gloss of top/base coat.



How to use

Apply thin layer (< 3 mm). Slow build the layer until achieve your target thickness. Be careful when mixed with hardener, pot life is 3-4 minutes at 30°C / 86°F. Allow 8-10 minutes flash off time between layers at 30°C / 86°F.

Air Drying

Hardener	21-67
Gel time	3-4 mins
Ready to sand	30-40 mins

Mixing Ratio

Polyester Putty : Body Filler Activator	100 : 1-3%
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Packing Size

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

Related Products

21-67	Body Filler Activator / Hardener
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NITROCELLULOSE PUTTY ◀

Available in following shades:

83-4000

83-0348



Product details

Features: is a single component . It is a quick dry used for the final touch to get rid of pinholes, scatches, or sanding marks before final top coat.



How
to use

Ready to use product. If putty becomes too thick, dilute with acrylic thinner

Air Drying

Ready to sand	20-30 mins
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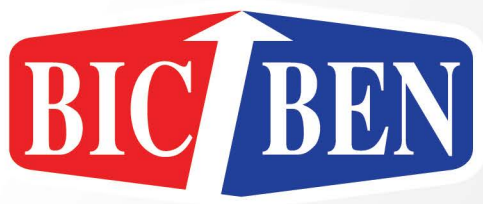
Mixing Ratio

Nitrocellulose Putty	Ready to use
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Packing Size

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





CONSISTENCY
AND QUALITY
ARE OUR KEY INGREDIENTS.

TOP COAT

► BICBEN® offers complete series of automotive refinish top coat. Applicators can select single-stage process (2K Solid Top Coat) or two-stage process (Basecoat with clear coat on Top).

► The top coat can be produced from Universal Tinting System.

2K HIGH SOLID 2:1 FINISH ◀



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. Typically, it is used for whole body repaint or bus and truck coating. All 2K High Solid 2:1 Finish can be mixed at your local dealer with BICBEN® Universal Tinting System.



Spray Method

Apply 2 coats Recommended.

Pot life: 4 hours at 30°C

Coverage: Approximately 8-10 m²/liters

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-07	-	-
Temp	☺ 25°C / 77°F			
Dust free time	-	20-30 mins	-	-
Dry to handle	-	9-10 hrs	-	-
Dry to polish	-	9-10 hrs	-	-

Mixing Ratio	Thickness Per Coat
2K HS Finish : 2K HS Activator : 2K Reducer	60-80 μ
2 : 1 : 5-10%	

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

Related Products	
21-07	2K HS Activator / Hardener
86-120	2K Reducer / Thinner

2K MEDIUM SOLID 2:1 FINISH ◀



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. All 2K Medium Solid 2:1 Finish can be mixed at your local dealer with BICBEN® Universal Tinting System.



**Spray
Method**

Apply 2 coats.

Pot life: 4 hours at 30°C

Coverage: Approximately 8-10 m²/liters

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-86	-	-
Temp	☺ 25°C / 77°F			
Dust free time	-	20-30 mins	-	-
Dry to handle	-	9-10 hrs	-	-
Dry to polish	-	9-10 hrs	-	-

Mixing Ratio	Thickness Per Coat
2K MS Finish : 2K MS Activator : 2K Reducer	60-80 μ
2 : 1 : 10%	

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

Related Products	
21-86	2K MS Activator / Hardener
86-120	2K Reducer / Thinner



2K MEDIUM SOLID 4:1 FINISH



Product details

Features: is a quick dry version. It is good for garage who wants to have quick turn over for spot or panel repairs. All 2K Medium Solid 4:1 Finish can be mixed at your local dealer with BICBEN® Universal Tinting System. It's providing high-gloss, Good hardness. Excellent in weathering resistance. It's design for large area. It's provide long pot life but short time for film setting.



Spray Method

Apply 2-3 coats.

Pot life: 4 hours at 30°C

Coverage: Approximately 9-10 m²/liters

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-33	-	-
Temp	☺ 25°C / 77°F			
Dust free time	-	20-30 mins	-	-
Dry to handle	-	9-10 hrs	-	-
Dry to polish	-	9-10 hrs	-	-

Mixing Ratio	Thickness Per Coat
2K MS Finish : 2K MS Activator : 2K Reducer	60-80 μ
4 : 1 : 1	

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

Related Products	
21-33	2K MS Activator / Hardener
86-120	2K Reducer / Thinner



➤ TOP COAT - METALLIC / PEARL COLOR

56 LINE

FINISH
BASE COAT METALLIC ◀◀
/PEARL



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. It's must be used in conjunction with 2K clear coat in order to provide protection from environment. The unique character of this Base Coat is a final thin layer which in turn helps orientation of Metallic/Pearl flakes. To make sparkling effect brighter, BICBEN® Base Coat thinner in recommended. All Base Coat Metallic/Pearl Finish can be mixed at your local dealer with BICBEN® Universal Tinting System. The binder for this product is Base Coat Metallic/Pearl Binder #54-XXXX



**Spray
Method**

Apply 2 coats For effect colors, pull spray gun back around 3-4 inches on final coat. Recommended dry film thickness at 15-20 microns.

Pot life: 4 hours at 30°C

Coverage: Approximately
10-12 m²/liters

Air Drying	
Temp	☼ 25°C / 77°F
Touch dry	5-7 mins
Hard dry	15-20 mins

Mixing Ratio	Thickness Per Coat
Bass Coat : Base Coat Reducer	15-20 μ
1 : 1-1.5	

Packing Size			
56-XXXX	Base Coat	1	liter
56-XXXXL	Base Coat	4	liters

Related Products	
86-140	Base Coat Reducer / Thinner
86-160	Base Coat Reducer / Thinner





THE
COST OF WORK IS
NOT VERY **HIGH.**



CLEAR

► BICBEN® offers different types of clear to meet with your needs at different mixing ratios.

► The easy-spraying clear gives you a high gloss and quick drying time. Clear can be used for whole body repaint or panel and spot repairs.

2K HIGH SOLID LACQUER 2:1 ◀



Product details

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



**Spray
Method**

Apply 2-3 coats. Recommended dry film thickness at 60-80 microns.

Pot life: 4 hours at 30°C

Coverage:
Approximately 8-10 m²/liters

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-07	-	-
Temp	☺ 25°C / 77°F			
Touch dry	-	15-20 mins	-	-
Hard dry	-	10-12 hrs	-	-

Mixing Ratio	Thickness Per Coat
2K HS Clear : 2K HS Activator : 2K Reducer	60-80 μ
2 : 1 : 10-15%	

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

Related Products	
21-07	2K HS Activator / Hardener
86-120	2K Reducer / Thinner

2K MEDIUM SOLID LACQUER 2:1 ◀



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.



Spray Method

Apply 2-3 coats.

Pot life: 4 hours at 30°C

Coverage: Approximately 10-12 m²/liters

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-86	-	-
Temp	☺ 25°C / 77°F			
Touch dry	-	10-15 mins	-	-
Hard dry	-	10-12 hrs	-	-

Mixing Ratio	Thickness Per Coat
2K MS Clear : 2K MS Activator : 2K Reducer	50-60 μ
2 : 1 : 10-15%	

Packing Size			
46-8099	2K MS Clear 2:1	1	liter
21-86/2	2K MS Activator / Hardener	0.5	liter
46-8099L	2K MS Clear 2:1	4	liters
21-86	2K MS Activator / Hardener	1	liter

Related Products	
21-86	2K MS Activator / Hardener
86-120	2K Reducer / Thinner



2K MEDIUM SOLID LACQUER 4:1 ◀



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



**Spray
Method**

Apply 2-3 coats.

Pot life: 4 hours at 30°C

Coverage: Approximately 8-10 m²/liters

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-33	-	-
Temp	☺ 25°C / 77°F			
Touch dry	-	3-5 mins	-	-
Hard dry	-	8-10 hrs	-	-

Mixing Ratio	Thickness Per Coat
2K MS Clear : 2K Activator : 2K Reducer	50-60 μ
4 : 1 : 1	

Packing Size			
47-8033	2K MS Clear 4:1	1	liter
21-33/2	2K MS Activator / Hardener	0.25	liter
47-8033	2K MS Clear 4:1	4	liters
21-33	2K MS Activator / Hardener	1	liter

Related Products	
21-33	2K MS Activator / Hardener
86-120	2K Reducer / Thinner






GLOSS OF LACQUER



WE SIMPLIFY OUR **PRODUCT**
TO FINISH YOUR PAINT EASIER



THINNER

► **BICBEN®** produces a wide range of thinner to meet your applications and requirements. Different temperature and products will affect thinner selection.

► Packaging available includes:
1L, 4L, 18L, and 200L.

► **REDUCER / THINNER / SOLVENT**

2K REDUCER / 2K THINNER ◀◀

Is designed to use with 2K products especially for 2K top coats. BICBEN® has

- 2K Reducer / 2K Thinner **FAST**
- 2K Reducer / 2K Thinner **MEDIUM**
- 2K Reducer / 2K Thinner **SLOW**
- 2K Reducer / 2K Thinner **EXTRA SLOW**

ACRYLIC THINNER ◀◀

Is a higher grade than standard thinner. It normally uses to apply primer and 1K top coat e.g. acrylic top coat and N/C top coat. It helps to improve the gloss of 1K top coat.

- Acrylic Reducer / Acrylic Thinner **PREMIUM**
- Acrylic Reducer / Acrylic Thinner **STANDARD**
- Acrylic Reducer / Acrylic Thinner **3602**

BASE COAT REDUCER / BASE COAT THINNER ◀◀

Designed to promote orientation of base coat and to enhance adhesion between primer and clear coat.
Base Coat Thinner

LE THINNER ◀◀

Low VOCs compliant thinner. LE Thinner include:

- LE Primer Reducer / LE Primer Thinner
- LE Base Coat Reducer / LE Base Coat Thinner
- LE 2K Reducer / LE 2K Thinner **SLOW**
- LE 2K Reducer / LE 2K Thinner **FAST**
- LE 2K Reducer / LE 2K Thinner **MEDIUM**
- LE 2K Reducer / LE 2K Thinner **EXTRA SLOW**
- LE 2K Exempt Reducer / Thinner

OTHER THINNER ◀◀

Includes :

Epoxy Thinner #85-47	Wash Primer Thinner #86-114	2K Primer Thinner #86-115
Enamel Thinner / Turpentine #85-5	Blending Thinner #86-160	Retarder Thinner #86-123

- Acetone
- Xylene
- Toluene
- Solvent 3040
- Solvent 1425

STANDARD THINNER / LACQUER THINNER ◀◀

Is typically used for primer and sometimes N/C top coat.
Additionally, it can be used to clean the surface before any subsequent coating process.
It is quick dry and non-burning sensation when wash with your hand.

BIC/BEN	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





OUR

PAINT IS DESIGNED

FOR SPOT REPAIR OR BODY REPAINT.

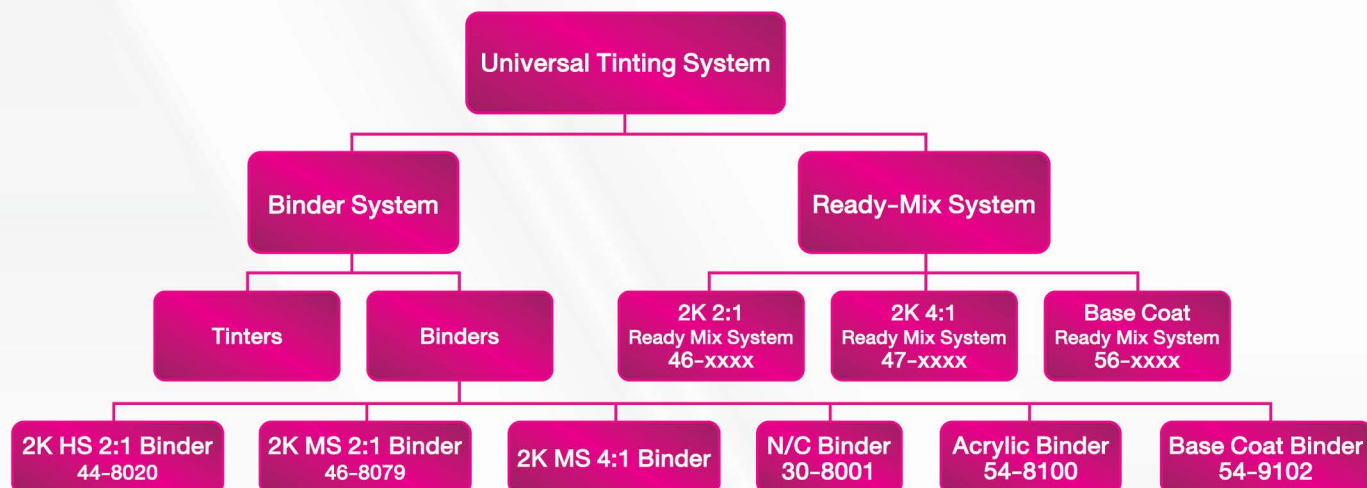


UNIVERSAL TINTING SYSTEM

► With automotive grade pigments, BICBEN® creates the UNIVERSAL TINTING SYSTEM which can produce complete refinish top coats, except enamel finish. The system can be flexible because you can choose either binder system or ready-mix system.

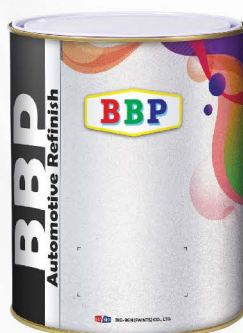
► Binders include: 2K polyurethane single stage top coat at different solid, and base coat, etc. TINTING software helps to retrieve car color formulation up to 5,000+ formulations. Finally the system can also be used with LE Series to comply with VOC regulations.

► TINTING SYSTEM

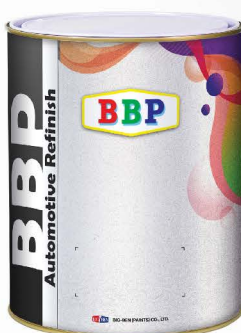


► BINDER SYSTEM ◀

tem 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%



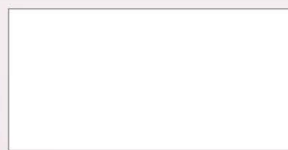
TOP COAT 100%

► 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.

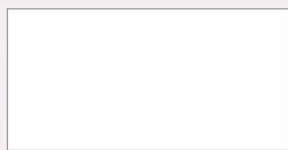


BASIC COLOUR **TINTER**



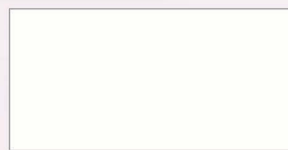
600-WH1

White



600-RWH2

Light White



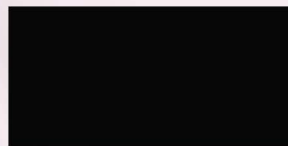
600-OP3

Opalescence



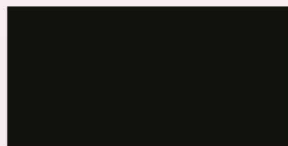
600-BK4

Carbon Black



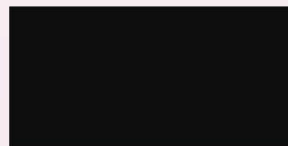
600-BK5

Jet Black



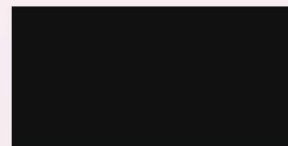
600-BK6

Black High
Strength



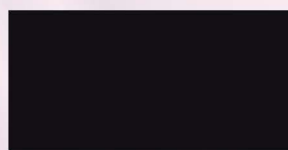
600-RBK7

Black Low
Strength



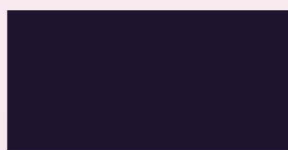
600-BK8

Graphite



600-VT20

Violet



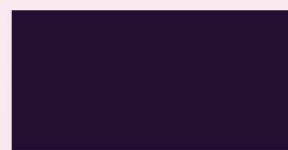
600-TBL21

Thalo Blue



600-TBL22

Blue High
Strength



600-TBL26

Organic Blue



600-TBL27 Transparent Blue



600-TBL28 Fast Blue High Strength



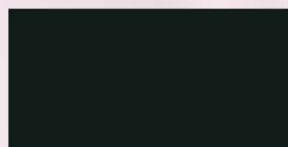
600-TBL29

Palo Blue

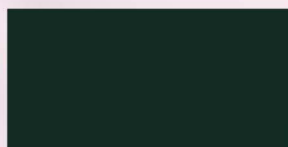


600-RBL70

Fast Blue
Low Strength

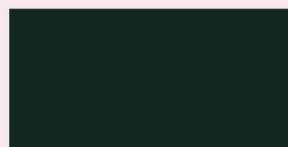


600-TGR30 Fast Green
High Strength



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

► 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

COLOUR

MORE



► 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



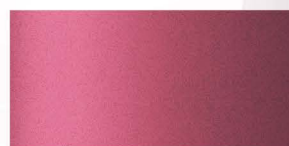
600-PL77X Copper
Pearl Opaque



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



BIG-BEN
(PAINTS)
WWW.BICBEN.COM

► 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

EASY AS EVER.

COLOUR

MORE+



MIXING EQUIPMENT

► **BICBEN® OFFERS
HIGH QUALITY MIXING
MACHINE TO USE WITH
OUR UNIVERSAL TINTING
SYSTEM.**

► **THE HIGH QUALITY MIXING MACHINES
ARE AVAILABLE IN 1-METER AND 1.5-METER
SPECIFICATION.**

► BICBEN® 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	1155 mm. 45.47 in.	1620 mm. 63.77 in.
Height	63.77 in. 78.54 in.	1995 mm. 78.54 in.
Depth	78-54 in. 20.86 in. 20.86 in.	530 mm. 530 mm. 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



MISCELLANEOUS

► BICBEN[®] also offers an additional products to help you to work smoothly.

► MISCELLANEOUS

ACCELERATOR ◀◀



It fasters drying time for all 2K products. **#17-8007**

Available in 1L.

ANTISILICONE ◀◀



It helps to prevent pin-holes. **#17-8008**

Available in 1L.

COAL TAR EPOXY ◀◀



Is a two-component polyamida cured resin. It is used for long term protection against corrosion under extreme condition. With high build property, it gives non-sagging films up to 20-milimeter thickness in just a single coat of spray. Normally it is recommended to apply underneath vehicles where wear and tear are high due to chemical and mechanical attack.

- Coal Tar Epoxy BLACK **#43-0001** [Bleeding]
- Coal Tar Epoxy BLACK **#58-0017** [Non-Bleeding]
- Coal Tar Epoxy Activator / Hardener **#21-10** [Bleeding]
- Coal Tar Epoxy Activator / Hardener **#21-17** [Non-Bleeding]
- Epoxy Reducer / Thinner **#85-47**

Available in 1L and 4L.

MATTING AGENT ◀◀



Is a universal matting agent **#17-8002**. It is a part of Universal Tinting System. It can be used in top coat or clear coat. It should not be added more than 10% of total mixture to avoid adhesion problem.

Available in 1L.

► MISCELLANEOUS

MID-COAT ADHESION PROMOTER ◀◀



Is a transparent liquid which helps to promote adhesion between base coat and clear coat, especially where it is difficult to sand in some area. It is ready for use product. Apply just only single layer before clear coat.

Available in 1L.

PLASTIC FLEXIBLE ADDITIVE ◀◀



Is a chemical added to plastic coating products including plastic primer, top coat, and clear coat. It enhances flexibility of film coat. Plastic Flexible Additive #81-8010 should not be added more than 10% of volume of paint.

Available in 1L.

PLASTIC PRIMER ◀◀



Plastic primer, Chlorinated- polyolefin base resin. It's provided good adhesion on plastic such as High density Polyethylene, polypropylene plastic.

Available in 1L.

RUBBING COMPOUND ◀◀



This superior rubbing compound contains moisture beads to clear out impurity on the surface. It also contains carnuba wax to enhance the final gloss of the film.

Available in 250 G, 1 Kg and 3 Kg.



PROUD TO BE A
PARTNER OF YOUR SUCCESS.



LE SERIES

► BICBEN[®], LE SERIES
ARE AUTOMOTIVE REFINISH
PRODUCTS COMPLYING WITH
LOW VOCS REGULATION.

► IT INCLUDES: LE PRIMER, LE BASE
COAT, AND LE CLEAR.

LE PRIMER ◀

Available in following shades:

80-0346



Product details

Features: is a two-component polyurethane primer that contains high solid 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. The product ready to spray VOCs is 340 grams per liter (2.8 lbs./U.S. gal.).



Spray
Method

Apply 2 coats Recommended dry film thickness at 50-60 microns.

Pot life: 4 hours at 30°C

Coverage: Approximately 8-10 m²/liters

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-XX	-	-
Temp	☞ 25°C / 77°F			
Touch dry	-	10-15 mins	-	-
Hard dry	-	30-40 mins	-	-

Mixing Ratio	Thickness Per Coat
LE Primer : LE 2K Activator	60-80 μ
4 : 1	

Packing Size			
80-XXXX	LE Primer	1	liter
21-XX/2	LE 2K Activator / Hardener	0.25	liter
80-XXXXL	LE Primer	4	liters
21-XX	LE 2K Activator / Hardener	1	liter

Related Products	
21-XX	LE 2K Activator / Hardener

LE 2K FINISH ◀◀



Product details

Features: is a two-component polyurethane top coat 2:1 . It offers easy application, good flow, superior gloss, and durability. The ready to spray VOCs is less than 420 grams per liter (3.5 lbs/U.S.gal.). LE 2K Finish can be formulated from Universal Tinting System. The binder is LE 2K Binder #440-8021. Mixing ratio between tinters and binder is 30 to 70.



Spray Method

Apply 2 coats Recommended dry film thickness at 30-40 microns.

Pot life: 4 hours at 30°C

Coverage: Approximately 8-10 m²/liters

Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	21-060	21-070	21-080	-
Temp	☺ 25°C / 77°F			
Dust free time	20 mins	20-30 mins	30 mins	-
Dry to handle	7-8 hrs	9-10 hrs	10-11 hrs	-
Dry to polish	7-8 hrs	9-10 hrs	10-11 hrs	-

Mixing Ratio	Thickness Per Coat
LE 2K Finish : LE 2K Activator : LE 2K Reducer	30-40 μ
2 : 1 : 5-10%	

Packing Size			
440-XXXX	LE 2K Finish	1	liter
21-XX/2	LE 2K Activator / Hardener	0.5	liter
440-XXXXL	LE 2K Finish	4	liters
21-XX	LE 2K Activator / Hardener	1	liter

Related Products	
21-060	LE 2K Activator / Hardener Fast
21-070	LE 2K Activator / Hardener Standard
21-080	LE 2K Activator / Hardener Slow

LE 2K CLEAR ◀

Available in following shades:

440-8007



Product details

Features: Is a two-component high solid clear coat for whole body repaint or panel and spot repair. It has excellent flow, easy to use, high gloss and excellent weathering resistance. The ready to spray VOCs is less than 340 grams per liter (2.8 lbs./U.S.gal.). When use LE Exempt Thinner, VOCs is less than 250 grams per liter (2.1 lbs./U.S.Gal.).



Spray
Method

Apply 2-3 coats.

Pot life: 4 hours at 30°C

Coverage: Approximately 8-10 m²/liters

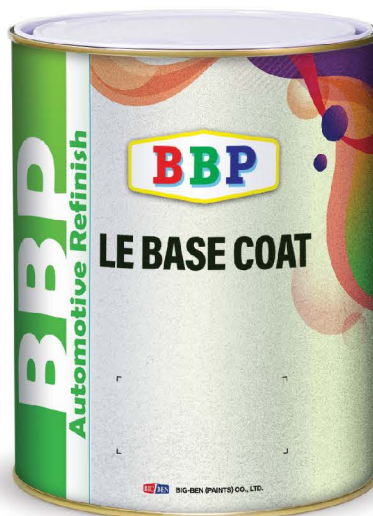
Air Drying	Fast	Medium	Slow	Extra Slow
Hardener	-	21-XX	-	-
Temp	☺ 25°C / 77°F			
Touch dry	-	10-15 mins	-	-
Hard dry	-	30-40 mins	-	-

Mixing Ratio	Thickness Per Coat
LE 2K Lacquer : LE 2K Activator : LE 2K Reducer	60-80 μ
2 : 1 : 10-15%	

Packing Size			
440-XXXX	LE 2K Clear	1	liter
21-XX/2	LE 2K Activator / Hardener	0.5	liter
440-XXXXL	LE 2K Clear	4	liters
21-XX	LE 2K Activator / Hardener	1	liter

Related Products	
21-060	LE 2K Activator / Hardener Fast
21-070	LE 2K Activator / Hardener Standard
21-080	LE 2K Activator / Hardener Slow

LE BASE COAT ◀



Product details

Features: Provides excellent metallic control and orientation. It is quick dry and good adhesion to LE Clear. The product ready to spray VOCs is less than 420 grams per liter (3.5 lbs./U.S. gal.). Like LE 2K Finish, LE Base Coat can be formulated from Universal Tinting System. The binder is LE Base Coat Binder #54-9008. Mixing ratio between tinters and binder is 30 to 70.



Spray Method

Apply 2 coats. For effect colors, pull spray gun back around 3-4 inches on final coat. Recommended dry film thickness at 15-20 microns.

Pot life: 4 hours at 30°C

Coverage: Approximately 10-12 m²/liters

Air Drying

Temp	25°C / 77°F
Touch dry	5-10 mins
Hard dry	15-20 mins

Mixing Ratio

LE Bass Coat : LE Base Coat Reducer

1 : 1

Thickness Per Coat

15-20 μ

Packing Size

560-XXXX	LE Base Coat	1	liter
560-XXXXL	LE Base Coat	4	liters

Related Products

85-XXXX	LE Base Coat Reducer / LE Base Coat Thinner
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WE 
COMMIT TO BRING
THE ENVIROMENT-FRIENDLY
PRODUCT TO YOU.

INDUSTRIAL COATINGS



► BICBEN®
ALSO OFFERS AN
BBP INDUSTRIAL
COATING PRODUCTS
INCLUDING:

► N/C INDUSTRIAL PRIMER,
ENAMEL PRIMER, N/C INDUSTRIAL
PAINT, ENAMEL INDUSTRIAL
PAINT.

N/C INDUSTRIAL PRIMER <<



Is a economic quick dry primer. It has good adhesion on steel and galvanized surfaces. It also contains anti-corrosive pigments hence good for mild steel substrate or in case of rubbing through bare metal.

Available in 1L and 4L.

Available in following shades:

84-1006	84-6003
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ENAMEL INDUSTRIAL PRIMER <<



Is a phenolic modified primer suitable for steel substrate such as solvent tankers, trucks, where corrosion protection is a prime factor. It is also non-bleeding primer which can be coated with N/C Industrial Paint or Enamel Industrial Paint.

Available in 1L and 4L.

Available in following shades:

1007	6052	4001	0081
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N/C INDUSTRIAL PAINT <<



Is an economical nitrocellulose top coat for industrial purpose. It is quick drying and has a variety selection of shades.

Available in 1L and 4L.

Available in following shades:

32-0002	32-0003	32-1015	32-1017	32-3008
32-4013	32-5001	32-5805	32-6011	32-7000

ENAMEL INDUSTRIAL PAINT <<



Is general purpose enamel coating where one coat application is required for economic reason.

Available in 1L and 4L.

Available in following shades:

39-0004	39-0020	39-4021	39-5001	39-7000
43-0001	50-1007	50-6052	58-3016	80-0094
80-6000	80-6070	81-H0008	81-0081	82-6004
84-1006	84-3004			

PRODUCT PORTFOLIO

✓ AUTOMOTIVE REFINISH

- BODY FILLER | PUTTY | MASILLA
- PRIMER : EPOXY | WASH PRIMER | 2K | ACRYLIC
| NC | ENAMEL
- PAINTS / PINTURA : READY MIX | 2K | BASE COAT
| NC | ENAMEL
- MIXING SYSTEM : TINTER | TONER | BINDER
- LACQUER : 1K | 2K | HS | MS | LE | 2:1 | 4:1
- THINNER / REDUCER / SOLVENT
- MISC. : AEROSOL / POLISHING WAX
/ RUBBING COMPOUND

✓ INDUSTRIAL COATING

✓ HIGH PROTECTIVE COATING

✓ CONTAINER COATING

✓ UNIVERSAL TINTING SYSTEM



FACTORY 1

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