



COMMERCIAL
AND

VEHICLE

Direct to Metal Primer ◀

Product	Hardener	Thinner	Mixing Ratio
Etch Primer for Stainless /Aluminium	21-24	86-100	1 : 1 N/A
Epoxy Primer for metal	21-17	86-147	4 : 1 : 1-3

Polyester Putty ◀

Product	Hardener	Mixing Ratio
Heavy Weight Polyester Putty	21-3	100 : 3
Light Weight Polyester Putty	21-67	100 : 3
2K Universal Polyester Putty	21-42	100 : 3
1K Quick Dry Glazing Putty	N/A	Ready for use

Primer before Paint (Filler & Sealer) ◀

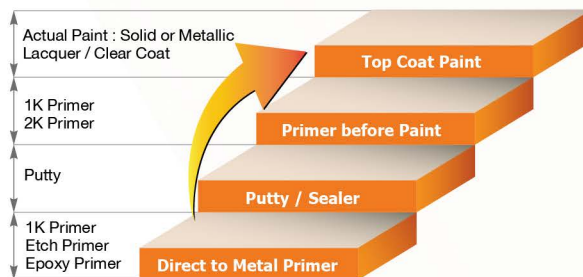
Product	Hardener	Thinner	Mixing Ratio
2K PU Primer	21-20	86-115	4 : 1 : 1-3
1K Acrylic Primer	N/A	86-101	1 : N/A : 1

Top Coat Paint ◀

Product	Hardener	Thinner	Mixing Ratio
2K or Acrylic Metallic and Pearl Base Coat	N/A	86-120	1 : N/A : 1
1K Nitrocellulose Top Coat	N/A	86-100	1 : N/A : 1
2K Solid Top Coat 2:1	21-07	86-116 86-120 86-161	2 : 1 : 10-15%
2K Solid Top Coat 4:1	21-33	86-116 86-120 86-161	4 : 1 : 10-15%

Clear Coat or Lacquer ◀

Product	Hardener	Thinner	Mixing Ratio
2K High Solid Clear Coat 2:1	21-07	86-116 86-120 86-161	2 : 1 : 10-15%
2K Medium Solid Clear Coat 4:1	21-33	86-116 86-120 86-161	4 : 1 : 10-15%



Coating System for Bus & Truck ◀

Direct Primer on Substrate Bare Steel Aluminium or Stainless	Epoxy Primer Etch Primer
Putty	Polyester Putty
Primer before Top Coat	2K Primer
Top Coat Solid Shade Few Shades Multi Shades Bronze and Pearl Shade or Base Coat Clear System	2K Paint N/C or Acrylic Paint and top up with 2K Lacquer 2K or Acrylic Base Coat and top up with 2K Lacquer



► DIRECT TO METAL PRIMER

ETCH PRIMER ◀◀

Product Details

82 LINE

Features: Etch 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 Aluminium and top-grade steel.

Mixing Ratio

Etch Primer : 2K Activator : 2K Reducer

1 : 1 : N/A

Packing Size

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

Available in following shades:

EPOXY PRIMER ◀◀

Product Details

58 LINE

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.

Mixing Ratio

Epoxy Primer : 2K Activator : 2K Reducer

4 : 1 : 1-3

Packing Size

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

Available in following shades:



▶ POLYESTER PUTTY

HEAVY WEIGHT ◀◀ POLYESTER PUTTY



Product Details

83 LINE

Features: two component Red Oxide Putty that use as body filler for big and large dent area. It provides excellent adhesion to all metals. In addition, it can be applied directly to metal or on primer. It can be used as heavy build filler without affecting the gloss of top/base coat.

Mixing Ratio

Heavy Weight : Putty Activator	100 : 3
--------------------------------	---------

Packing Size

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

Available in following shades: 83-4001

LIGHT WEIGHT ◀◀ POLYESTER PUTTY



Product Details

83 LINE

Features: Is a two-pack light weight polyester based product designed to fill scratches, pinholes, and sanding marks.

Mixing Ratio

Light Weight : Putty Activator	100 : 3
--------------------------------	---------

Packing Size

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

Available in following shades: 83-6200

2K UNIVERSAL ◀◀ POLYESTER PUTTY



Product Details

83 LINE

Features: Is a two-pack very fine putty with superior quality than regular polyester putty. The main advantage of this putty is that it can be applied for both heavy and light weight applications.

Mixing Ratio

2K Universal : Putty Activator	100 : 3
--------------------------------	---------

Packing Size

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

Available in following shades: 83-4005

► POLYESTER PUTTY

1K QUICK DRY ◀
GLAZING PUTTY

Product Details

83 LINE

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

Mixing Ratio

1K Quick Dry Glazing Putty	Ready for use
----------------------------	---------------

Packing Size

83-4000	1K Quick Dry Glazing Putty	1	kg
83-0348	1K Quick Dry Glazing Putty	1	kg

Available in following shades:

83-4000

83-0348

► PRIMER BEFORE PAINT (FILLER & SEALER)

2K PU PRIMER ◀◀

Product Details

80 LINE

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.

Mixing Ratio

2K Polyurethane Primer : 2K Activator : 2K Reducer	4:1:1-3
--	---------

Packing Size

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

Available in following shades:

80-0001	80-0081	80-0084	80-5300
---------	---------	---------	---------

1K ACRYLIC PRIMER ◀◀

Product Details

81 LINE

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.

Mixing Ratio

Acrylic Primer / 1K Primer : Acrylic Reducer	1 : 1
--	-------

Packing Size

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

Available in following shades:

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

► TOP COAT PAINT (WITHOUT HARDENER)

1K/ACRYLIC ◀◀
METALLIC&PEARL BASE COAT

Product Details

55 LINE

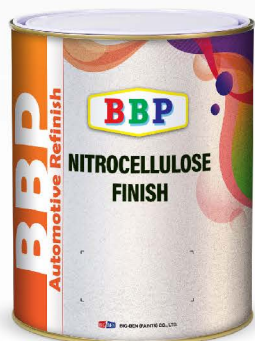
Features: single pack top coat. It offers high gloss finish. The advantage is quick dry and non-yellowing finish. To enhance gloss, you may apply clear coat on top. It is recommended to use premium grade Bic-Ben® Acrylic thinner #86-101 or higher to maximize the final gloss appearance. All Acrylic Finish can be mixed at your local dealer with BICBEN® Universal Tinting System.

Mixing Ratio

1K / Acrylic Finish : Acrylic Reducer	1 : 1-1.5
---------------------------------------	-----------

Packing Size

55-XXXX	1K / Acrylic Finish	1	liter
55-XXXXL	1K / Acrylic Finish	4	liters

1K NITROCELLULOSE ◀◀
TOP COAT

Product Details

30 LINE

Features: 1K high performance coating 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 can be used in conjunction with 2K clear coat in order to environmental protection. It gives a shortest drying time. It is highly recommended to put clear coat on top. The application is widely used in bus and truck coating where multi-col- or is needed. The binder for this product is Nitrocellulose Solid Binder #30-8008.

Mixing Ratio

1K Nitrocellulose Top coat : Acrylic Reducer	1 : 1-1.5
--	-----------

Packing Size

30-XXXXL	1K Nitrocellulose Top coat	4	liters
----------	----------------------------	---	--------

Available in following shades:

30-0001	30-3009	30-5805	30-0011	30-4011	30-6001
30-0012	30-4014	30-6005	30-0018	30-5001	30-7003
30-1002	30-5801				

►► TOP COAT PAINT (WITH HARDENER)

2K SOLID TOP COAT 2:1 ◀◀
HIGH

Product Details

44 LINE

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.

Mixing Ratio

2K HS Finish : 2K HS Activator : 2K Reducer

2 : 1 : 5-10%

Packing Size

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

2K SOLID TOP COAT 2:1 ◀◀
MEDIUM

Product Details

46 LINE

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.

Mixing Ratio

2K MS Finish : 2K MS Activator : 2K Reducer

2 : 1 : 1

Packing Size

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

2K SOLID TOP COAT 4:1 ◀◀



Product Details

47 LINE

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.

Mixing Ratio

2K MS Finish : 2K MS Activator : 2K Reducer

4 : 1 : 1

Packing Size

47-XXXX 21-33/2	2K Medium Solid Finish 4:1 2K Medium Solid Activator / Hardener	1 0.25	liter liter
47-XXXXL 21-33	2K Medium Solid Finish 4:1 2K Medium Solid Activator / Hardener	4 1	liters liter

► CLEAR COAT / LACQUER

2K HIGH SOLID ◀◀ CLEAR COAT 2:1



Product Details

44 LINE

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

Mixing Ratio			
2K HS Clear : 2K HS Activator : 2K Reducer		2 : 1 : 10-15%	
Packing Size			
44-8007 21-07/2	2K High Solid Clear 2:1 2K High Solid Activator / Hardener	1 0.5	liter liter
44-8007L 21-07	2K High Solid Clear 2:1 2K High Solid Activator / Hardener	4 1	liters liter

2K MEDIUM SOLID ◀◀ CLEAR COAT 4:1



Product Details

47 LINE

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

Mixing Ratio			
2K MS Clear : 2K Activator : 2K Reducer		4 : 1 : 1	
Packing Size			
47-8033	2K Medium Solid Clear 4:1	1	liter
21-33/2	2K Medium Solid Activator / Hardener	0.25	liter
47-8033L	2K Medium Solid Clear 4:1	4	liters
21-33	2K Medium Solid Activator / Hardener	1	liter

www.bicben.com



Contract

Factory 1

BIG-BEN (PAINTS) CO., LTD.

38 M.7 Suanluangruamjai Road. Krathumbaen,
Samutsakorn Thailand 74110

TEL **+66-2-811-1442-3**

Fax +66-2-811-0632

Email : bicben@bicben.com

www.bicben.com

Factory 2

BIGBEN CHEMICALS CO., LTD.

168 M.2 Donkaidee Sub-District Krathumbaen District
Samutsakorn Province Thailand 74110

TEL **+66-2-811-1442-3**

Fax +66-2-811-0632

Email : bicben@bicben.com

www.bicben.com