

Technical Specification

GBsuper pig. Yellow

<u>Product Name</u>	: GBsuper pig. yellow
Shade	: Bright greenish yellow
Chemical class forming group	: Mono-azo pigment without lake

Physical Property

From	: Free flowing powder
Pigmentation	: 55%
Bulk density	: 1.2
PH	: 8 to 8.5

Field of application : (for water based applications)

Useful for coloring following fields of application.

- Water based paints
- Water based inks
- Building and construction
- Leather
- Paper and pulp
- Detergents
- Artist's colors
- Textile printing
- How to make cement cube from GB super pig i.e. "Colored Concrete"?
- 5000 grams sand ,
- 5600 grams of gravel ,
- 1666 grams of cement
- 1.33 liters of water
- 22 grams GBsuper Pigment
- Quality and durability test applied to that cubes & the result is very good



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Product name: **GBsuper pig. Yellow**

Reduction:

1- pigment Application

Offset	: √
Gravure	: √
Flexo	: √
TPC Inks	: √
Emulsion Paint	: √
Air Drying Enamel	: √
Stoving Enamel	: √
N.C Lacquer	: √
O.B.D	: √
Distempers	: √
Plastics	: •
Leather Cloth	: √
Rubber	: •
Aqueous Emulsion	: √

2- Legends Used

- √ Recommended for use
- × Not Recommended
- Some Restricted Use

3- Pigment Properties

Specific Gravity	: 1.4
Oil Absorption (gm/100gms)	: 45
pH of 1 % extract	: 7
Reagents (Sacle:1 to 5)	
Water	: 5
5%HCl	: 5
5%NaOH	: 5
Lime	: 5
Solvents (Sacle:1 to 5)	
Ethanol	: 5
N-Butanol	: 5
N-Buty Acetate	: 3
M.E.K	: 4
Plasticizers (Sacle:1 to 5)	
White Spirit	: 4
Xylene	: 3
Mixed NC Solvents	: 4
Cellosolve	: 4

4- Fastness Properties

Light (1 to 8)

Full strength	: 7
Reduction 1:10 Tio2	: 5

Heat (1 to 5)

150° C (300 F) 20 min	: 5
180° C (355 F) 10 min	: 4
120° C (300 F) 30 min	: 5
N.C.Lacquer	: 4



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Technical Specification

GBsuper pig. Red

Product Name	: GBsuperpig. Red
Shade	: Red
Chemical class	: Mono-azo org.dyes

Physical Property

From	: Free flowing powder
Pigmentation	: 55%
Bulk density	: 1.2
PH	: 8 to 8.5

Field of application : (for water based applications)

Useful for coloring following fields of application.

- Water based paints
- Water based inks
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- How to make cement cube from **GB** super pig i.e. "Colored Concrete"?
- 5000 grams sand ,
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- 1666 grams of cement
- 1.33 liters of water
- 22 grams **GB**super Pigment
- Quality and durability test applied to that cubes & the result is very good



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Product name: **GBsuperpig. Red**

Reduction:

1- pigment Application

Offset	: √
Gravure	: √
Flexo	: √
TPC Inks	: √
Emulsion Paint	: √
Air Drying Enamel	: √
Stoving Enamel	: √
N.C Lacquer	: √
O.B.D	: √
Distempers	: √
Plastics	: •
Leather Cloth	: √
Rubber	: •
Aqueous Emulsion	: √

2- Legends Used

- √ Recommended for use
- × Not Recommended
- Some Restricted Use

3- Pigment Properties

Specific Gravity	: 1.4
Oil Absorption (gm/100gms)	: 50
pH of 1 % extract	: 7
Reagents (Sacle:1 to 5)	
Water	: 5
5%HCl	: 5
5%NaOH	: 5
Lime	: 4
Solvents (Sacle:1 to 5)	
Ethanol	: 5
N-Butanol	: 5
N-Buty Acetate	: 4
M.E.K	: 4
Plasticizers (Sacle:1 to 5)	
White Spirit	: 3
Xylene	: 3
Mixed NC Solvents	: 3
Cellosolve	: 3

4- Fastness Properties

Light (1 to 8)	
Full strength	: 7
Reduction 1:10 Tio2	: 6
Heat (1 to 5)	
150° C (300 F) 20 min	: 5
180° C (355 F) 10 min	: 4
120° C (300 F) 30 min	: 5
N.C.Lacquer	: 4



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Technical Specification

GBsuper pig. Blue

<u>Product Name</u>	: GBsuper pig. blue
<u>Chemical class</u>	: phethalocyanine
<u>Physical Property</u>	
From	: Free flowing powder
Pigmentation	: 55%
Bulk density	: 1.3
PH	: 8 to 8.5

Field of application : (for water based applications)

Useful for coloring following fields of application.

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- 1.33 liters of water
- 22 grams GBsuper Pigment
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Product name: **GBsuperpig. Blue**

Reduction:

1- pigment Application

Printing Inks	: √
Gravure printing Inks	: √
Tin printing Inks	: √
Decorative Paints	: √
Automotive Paints	: √
Industrial Paints	: √
Polyethylene Plastic	: √
Polystyrene Plastics	: √
PVC Plastics	: √
Rubber	: √
Dry colours	: √
Paper	: √
Stationery / Artists Material	: √
Pigment Ptg. Emulsion Textiles	: √
Mass Colouration of viscose	: -
Detergents	: -

2- Legends Used

- √ Recommended for use
- × Not Recommended
- Some Restricted Use

3- Pigment Properties

Water	: 5
Specific Gravity	: 1.4
Oil Absorption (gm/100gms)	: 40
Hue	: Blue
Heat Resistance	: 180
Chemical Resistance	: CPC
5 % soda Ash	: 5
5 % Acid (HCl)	: 5
Linseed Oil	: 5
Oleic Acid	: 5
Plasticisers	: 5
Soap Gel Bleed	: 5

4- Fastness Properties

Light Fastness	
25 % shade	: 7-8
10 % shade	: 7-8
5 % shade	: 7-8
Solvent Fastness	
Mineral Turpentine	: 5
Cellosolve	: 4-5
Esters	: 5
Ethanol	: 5
Ketones	: 5
NC Solvents	: 4-5
Xylene	: 4-5



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Technical Specification

GBsuper pig. Green

Product Name : GBsuper pig. green
Chemical class : phthalocyanine, chloronated

Physical Property

From : Free flowing powder
Pigmentation : 55%
Bulk density : 1.2
PH : 8 to 8.5

Field of application : (for water based applications)

Useful for coloring following fields of application.

- Water based paints
- Water based inks
- Building and construction
- Leather
- Paper and pulp
- Detergents
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Product name: **GBsuperpig. Green**

Reduction:

1- pigment Application

Printing Inks	: √
Gravure printing Inks	: √
Tin printing Inks	: √
Decorative Paints	: √
Automotive Paints	: √
Industrial Paints	: √
Polyethylene Plastic	: √
Polystyrene Plastics	: √
PVC Plastics	: √
Rubber	: √
Dry colours	: √
Paper	: √
Stationery / Artists Material	: √
Pigment Ptg. Emulsion Textiles	: √
Mass Colouration of viscose	: √
Detergents	: √

2- Legends Used

- √ Recommended for use
- × Not Recommended
- Some Rrestricted Use

3- Pigment Properties

Water	: 5
Specific Gravity	: 1.447
Oil Absorption (gm/100gms)	: 29
Hue	: Bright Green
Heat Resistance	: 180
Chemical Resistance	: CPC
5 % soda Ash	: 5
5 % Acid (HCl)	: 5
Linseed Oil	: 5
Oleic Acid	: 5
Plasticisers	: 5
Soap Gel Bleed	: 5

4- Fastness Properties

Light Fastness	
25 % shade	: 7-8
10 % shade	: 7-8
5 % shade	: 7-8
Solvent Fastness	
Mineral Turpentine	: 5
Cellosolve	: 4-5
Esters	: 5
Ethanol	: 4-5
Ketones	: 4-5
NC Solvents	: 5
Xylene	: 5



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Product name: **GBsuper pig. Orange**

Reduction:

1- pigment Application

Offset	: √
Gravure	: √
Flexo	: √
TPC Inks	: √
Emulsion Paint	: √
Air Drying Enamel	: √
Stoving Enamel	: √
N.C Lacquer	: √
O.B.D	: √
Distempers	: √
Plastics	: √
Leather Cloth	: √
Rubber	: √
Aqueous Emulsion	: √

2- Legends Used

- √ Recommended for use
- × Not Recommended
- Some Restricted Use

3- Pigment Properties

Specific Gravity	: 1.4
Oil Absorption (gm/100gms)	: 50
pH of 1 % extract	: 7
Reagents (Sacle:1 to 5)	
Water	: 5
5%HCl	: 5
5%NaOH	: 5
Lime	: 5
Solvents (Sacle:1 to 5)	
Ethanol	: 4
N-Butanol	: 4
N-Buty Acetate	: 3
M.E.K	: 2
Plasticizers (Sacle:1 to 5)	
White Spirit	: 4
Xylene	: 4
Mixed NC Solvents	: 4
Cellosolve	: 4

4- Fastness Properties

Light (1 to 8)	
Full strength	: 6
Reduction 1:10 Tio2	: 4
Heat (1 to 5)	
150° C (300 F) 20 min	: 4
180° C (355 F) 10 min	: 3
120° C (300 F) 30 min	: 2
N.C.Lacquer	: 4



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Technical Specification

GBsuper pig. Black

Chemical nature:	carbon black
Physical form:	free flowing powder
Physical data:	
Bulk density	1.3
pH value:	8.5-9
pigmentgehalt	
Fastness to weathering:	4-5, full shade (DIN 54001)

Field of application : (for water based applications)

Useful for coloring following fields of application.

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- Water based inks
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