



## B.I.K. | 3-IN-1 SILK GLOSS-30

*Multifunctional primer-and-finishing-coat-in-one*



**CORROSION PROTECTION 1K PRIMER AND FINISH  
COAT IN ONE, SUITABLE FOR ALMOST ALL SURFACES**

### Description

B.I.K. 3-in-1 Silk Gloss-30 [9556] is a unique single-component primer and finishing coat in one, with extremely high elasticity and impact-resistance and with an excellent adhesion to practically all surfaces and old paint layers. B.I.K. 3-in-1 Silk Gloss-30 [9556] has very good corrosion resistance (500 hours salt haze test DIN/ISO 50021), is extremely weather-resistant and is, therefore, also suitable for use in an aggressive industrial environment.

B.I.K. 3-in-1 Silk Gloss-30 [9556] is based on special modified silicone and polymer resins with active anti-corrosive pigments and a corrosion inhibitor.

### Properties

- Multifunctional primer and finishing coat in one
- Easily applicable by brush, paint roller and sprayer (can also be sprayed electrostatically)
- Quick-drying (forced drying up to 80.1°C possible)
- Excellent adhesion to practically all surfaces and old paint layers: iron, steel, non-ferrous metals, older galvanised surfaces, wood, various synthetic materials, but also to many kinds of old baking finishes and powder coatings.
- High filling power and covering capacity
- Suitable for optimal protection in aggressive industrial environments thanks to extreme corrosion resistance (500 hours salt haze test DIN/ISO 50021)
- Very high elasticity and impact-resistance
- Extremely weather-resistant
- Available in all colours via the BC-S 8200 colour blending system (all colours are lead-free).

### Technical specifications

(ready mixed product at 20°C and 65 % RH)

Finish	: silk gloss
Gloss level (60°)	: approx. 25-35 GU (depending on colour)
Colour	: all colours by BICCS CMS BCS-8200
Theoretical	: approx. 10,4 m <sup>2</sup> /ltr. at 60 µm
Consumption	dry film thickness
Specific gravity	: 1,3-1,4 g/ml (depending on colour)
Solids content	: 74-76% by weight
Flashpoint	: > 23°C

Application conditions	: min. 10°C / 80% R.H.
VOC content	: max. 340 g/l
Shelf life in can	: 24 months in original unopened packaging, stored at 5 – 30°C
Heat resistance	: < 180°C.

### APPLICATION INSTRUCTIONS



#### Surface preparation

The surface must be completely clean, dry, and free of grease, oil, etc. The preliminary treatment needs to be carried out properly to create a good foundation for the paint work. If in doubt about the substrate, first paint a test area and assess the adhesion

**Application** : brush, roller en spay  
(can also be sprayed electrostatic)



#### Mixing ratio BC-S Colourants, 8200 series:

Add 15% BC-S Colourants (by volume)  
All colours B.I.K. 3-in-1 Silk Gloss-30 [9556] are lead-free.

**Thinner - brush/roll:** BIK Thinner for brushing [9142]

**Thinner – spray** : BIK Thinner for spraying [9144]

**Viscosity** : ready to use (for brush/roller)

**Thinning** : max. 5% for brush/roller

**Thinning** : ca. 10-15% for spraying



#### Spray application

Airspray, nozzle : 1,7 – 1,8

Airless, nozzle : 0,009” – 0,011”

#### Recommended film thickness

Min. 77-180 µm wet / Min. 50-120 µm dry

Note: indicative layer thickness per layer. For system layer thicknesses in accordance with ISO 12944 (see 'BICCS Paint Systems', www.biccs.nl) or contact your account manager or the Technical Support department for project-based advice.

#### Tool cleaning:

Rinse immediately after application using by BICCS Thinner 0104.



#### Drying times

(at 20°C, RH 65 %, DFT 40µm)

Tack free : after 1 hour

Repaintable : after 4-6 hours

Touch-dry : after 6-8 hours

Cured : after 7 days

Data at 20°C  
and 65% RH

N.B. Forced drying is possible to 80°C.

At higher temperatures, the drying process will take place faster.  
Indicative: at 35°C 2x, at 50°C 4x, 8x at 65°C and at 80°C 16x.

#### Chemicals-resistance:

- Very good against vapours in urban & industrial environments
- Resistant to most diluted acids and lye, mineral oils, fuels, household chemicals, cleansing agents and disinfection fluids

#### Resistance to yellowing:

- The light colour combinations are also resistant to yellowing up to a temperature of approx. 130°C.

## Application

B.I.K. 3-in-1 Silk Gloss-30 [9556] is a universal, multifunctional primer and finishing coat in one that is used as:

- 1. An active anti-corrosive primer and, at the same time, durable finishing layer on iron and steel objects** such as: constructions, machines and devices, vehicles and rolling stock, masts and lampposts, fencing and balustrades, coverings, piping, chassis, etc.
- 2. An adhesive layer on zinc, aluminium and synthetic materials**, for optimal adhesive and finishing layer on critical surfaces: for example, a variety of objects and all common construction parts
- 3. As a renovation system on old paint layers:**  
the extremely high durability and elasticity guarantees a long-lasting protection on virtually all existing old paint layers. Also applicable on old thermoplastic paint layers, old powder and baking finishes.



**Surfaces:** iron and steel (remove the rust well), older zincd/galvanized surfaces, aluminium, non-ferrous metals, many kinds of synthetic materials and practically all existing old paint layers.

## Surface preparation

The surface must be completely clean, dry and free of grease and oil. Sand old, undamaged paint layers well and degrease them again afterwards. In case of doubt about the surface, a test should at all times be carried out to assess the adhesion

### Iron and steel

Clean and degrease well. Remove loose paint layers, rust, scale, etc. BICCS 3-in-1 Satin Gloss [9556] can be applied directly to surfaces that have rust removed manually and/or that have a light film of rust.

### Older zincd/galvanized surfaces, aluminium and copper

Clean and degrease thoroughly. If necessary, remove any corrosive products using Scotch-Brite™/abrasive combined with a suitable cleansing agent

### Hard synthetic materials and old paint layers

Clean, degrease well and, where possible, roughen slightly.

## Application conditions

The data in this publication are based on a temperature of 20°C and a RH of 65%. In case of higher layer thicknesses and/or lower temperatures, longer drying times apply. During application and drying, avoid temperatures lower than 10°C and an RH higher than 80%. The temperature of the object to be sprayed must be at least 3°C above the dew point. Good ventilation is required during application and drying.

## Applying the paint system

For standard protection (level of protection C1 to C3), the application of just one layer of BICCS 3-in-1 Satin Gloss [9556] with a dry layer thickness of 60 micron is sufficient. For an optimal, highly durable anti-corrosion protection (level of protection C4) we recommend applying 2 layers (120 micron dry layer thickness). In both cases, we recommend first giving critical points such as sealing seams, angles, borders, etc. a preliminary treatment before applying one or two full layer(s) (depending on the requested level of protection). During hard drying time, this product can be sensitive to moist; e.g. remaining raindrops on horizontal parts. Water circles that are formed like that are less slightly from an aesthetic point of view, but do not have an adverse effect on the protective quality. By creating a descending slope, water circles can be avoided.

Should you wish to receive more information about BICCS 3-in-1 Satin Gloss [9556] we advise you to contact our laboratory.

## Safety

Only for professional use. See the appropriate safety datasheet ([www.biccs.nl](http://www.biccs.nl))

The information provided in this product data sheet is based on precision testing carried out in our laboratory, and is intended solely as a guideline. All recommendations and suggestions related to the use of products produced by PearlPaint Group, including but not limited to that provided in technical documentation or in response to a specific question, is based on data that we have compiled to the best of our knowledge. The products and information are intended for users in possession of the required specific knowledge and industrial skills, and the suitability of any product for any purpose whatsoever remains at all times the responsibility of the end user. PearlPaint Group has no knowledge of the quality or condition of the substrate, nor of the many factors that can influence the use and application of the product. PearlPaint Group therefore accepts no liability of any kind pertaining to loss or damage as a consequence of using or referring to this data sheet, except where otherwise agreed in writing.

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