

## TECHNICAL DATA SHEET

### BS86 2K HS ACRYLIC GLOSS TOPCOAT

#### DESCRIPTION

<b>Product Description</b>	Two component, high volume solids, acrylic PUR topcoat finish based on acrylic polyol and aliphatic polyisocyanate resins. High mechanical durability combined with chemical resistance, and excellent outdoor durability are the main characteristics of BS86 series.
<b>Intended Use</b>	Suitable for use in both new construction and as a maintenance finish coat in wide variety of environments including offshore structures, chemical and petrochemical plants, bridges where mechanical durability and chemical resistance requirements are combined with high aesthetic expectations.
<b>Characteristic Properties</b>	<ul style="list-style-type: none"><li>• Excellent UV resistance and outdoor durability</li><li>• Long term recoatability</li><li>• Excellent gloss and color retention</li><li>• Certified according to DIN 5510-2, S4 flammability class</li></ul>

#### PRODUCT PROPERTIES

<b>Color</b>	Every shade upon request
<b>Gloss Level</b>	Glossy (80±5 GU @ 60°, ISO 2813)
<b>Mixing Ratio</b>	Material is supplied in two containers as a unit. Base (Comp A) = BS86G2900 : 6 by volume Hardener (Comp B) = BB85Z001 : 1 by volume Thinner = TB1250 : 0-10 % by volume (depends on application condition)
<b>Solids (by volume)</b>	57-61 %
<b>Suggested Thickness</b>	50±5 microns dry film
<b>Theoretical Coverage</b>	Approximately 11.8 m <sup>2</sup> /L (50 microns dry film)  The practical coverage depends on the factors, such as shape of the construction, roughness of the substrate, method and conditions of application. A guideline for spraying is:  Large areas: Approx. 70% of the theoretical coverage. Small areas: Approx. 50% of the theoretical coverage.
<b>Application Method</b>	Airless spray, conventional spray, roller, brush (for stripe coating)
<b>Pot Life, 20°C</b>	5 hours after the mixture is prepared.

#### STORAGE AND SAFETY INFORMATION

<b>Storage</b>	Store in a well ventilated and dry conditions at temperatures between 5 - 40°C. The packaging should not be exposed to direct sunlight. The shelf lives of the products (base and hardener) are at least 12 months in unbroken original package, under mentioned storage conditions.
<b>Warnings</b>	See label for precautions. The user of this product is required to comply with the national statutory regulations for health, safety during transportation and at work and waste disposal. See the MSDS for detailed information.

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#### APPLICATION INFORMATION

##### Surface Preparation

Performance of this product depends upon the degree of surface preparation. All surfaces to be coated should be completely clean, dry and free from contamination.

Primed surfaces, should be dry and free from all contamination and the topcoat must be applied within the specified minimum overcoating intervals of the primer.

##### Application Conditions

Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be a minimum of 3°C above the dew point. Adequate ventilation shall be provided in confined spaces to ensure proper drying. Ideal application temperature is 5°C - 40°C at 65% RH.

##### Product Preparation

Material is supplied in two containers as a unit.

Base (Comp. A) = BS86

Hardener (Comp. B) = BB85Z001

Stir Base part with power agitator well before mixing. Then mix in a right proportion Base (Comp. A) with Hardener (Comp B), stir thoroughly with power agitator.

6 parts of Comp. A (BS86) to 1 part Comp. B (BB85Z001) (by volume)

##### Application Method, 20°C

Equipment	Airless Spray	Conventional Spray	Roller/Brush
Thinner	TB1250	TB1250	5690KCZ
Dilution	0-5 % by volume	0-10 % by volume	5-10% by volume
Nozzle Pressure	More than 15 MPa	-	-
Nozzle Size	0.013-0.019"	-	-

##### Drying Time, %65 RH (for 50 microns DFT)

Surface Temperature	5°C	10°C	20°C	40°C
Touch Dry	5 hours	150 minutes	90 minutes	1 hour
Hard Dry	24 hours	10 hours	6 hours	3 hours
Dried for service	21 days	14 days	7 days	3 days

##### Packaging

	Volume (litres)	Size of containers (litres)
Base (Comp A) =	17.15	25
Hardener (Comp B) =	2.85	5

The effectiveness of our systems is based on many years' practical experience and laboratory research. We guarantee that the quality of the work performed in accordance with our systems meets the Kansai Altan standards, provided that our instructions are followed carefully and the work is performed in accordance with the requirements as to good craftsmanship. We decline any responsibility, if the final result is affected by factors beyond our control. The customer has to determine the suitability of the delivered products for the intended application by using the means which normally are at his/her disposal.

Issue Date : 09/10/2019 (It is the user's responsibility to check that this sheet is up to date)

Reference No : TDS / BS86/ 01