KANSAI ALTAN

Neotect
Protective Coatings

TECHNICAL DATA SHEET

BS869
HS ACRYLIC PUR TOPCOAT HG

DESCRIPTION

Product Description

Two component, high gloss, high volume solid polyurethane topcoat based on acrylic polyols and aliphatic polyisocyanate resins. High mechanical durability combined with chemical resistance, and excellent outdoor durability are the main characteristics of BS869 series.

Intended Use

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.

Characteristic Properties

- Excellent UV resistance and outdoor durability
- Long term recoatability
- High gloss and color retention

PRODUCT PROPERTIES

Color

All shades are produced upon request.

Gloss Level

High Gloss

Mixing Ratio

Material is supplied in two containers as a unit.

Base (Comp A) = BS869	: 9 by volume
Hardener (Comp B) = BB867Z001	: 1 by volume
Thinner = TB1250	: 0-10 % by volume (depends on application condition)

Solids (by volume)

65-69 %

Suggested Thickness

60±5 microns dry film

Theoretical Coverage

Approximately 11.16 m^2/L (60 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.

Application Method

Airless spray, conventional spray, roller, brush (for stripe coating)

Pot Life, 20°C

5 hours after the mixture is prepared.

STORAGE AND SAFETY INFORMATION

Storage

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.

Warnings

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) = BS869
Hardener (Comp. B) = BB867Z001

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.

9 parts of Comp. A (BS869) to 1 part Comp. B (BB867Z001) (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 60 microns DFT)

Surface Temperature	5°C	10°C	20°C	40°C
Touch Dry	5 hours	150 minutes	90 minutes	60 minutes
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) =	18	25
Hardener (Comp B) =	2	2

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