

TECHNICAL DATA SHEET

BA011

EPOTAN STEELPROTECT HB

DESCRIPTION

Product Description	Two component, high volume solids, semi matt epoxy paint used for protection of steel structures. Pigmented with zinc phosphate. EPOTAN STEELPROTECT HB forms a hard and tough coating in mild to severe corrosive environments.
Intended Use	<ul style="list-style-type: none">As a monocoat in mild corrosive environments where UV exposure is negligible.As a topcoat in mild to severe corrosive environments where UV exposure is negligible.
Characteristic Properties	<ul style="list-style-type: none">Excellent adhesion on abrasive blasted carbon steel surfacesGood corrosion resistance

PRODUCT PROPERTIES

Color	Range of shades upon request
Gloss Level	Semi Matt
Mixing Ratio	Material is supplied in two containers as a unit. Base (Comp A) = BA011 : 3 by volume Hardener (Comp B) = BB011Z001 (STD) / BB011Z002 (WG) : 1 by volume Thinner = TB0069 / TB0065 : 0-10 % by volume (depends on app. condition)
Solids (by volume)	72-76 % (ISO 3233-1)
Suggested Thickness	100±20 microns dry film
Theoretical Coverage	Approximately 7.4 m ² /L (100 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.
VOC (volatile organic compound)	229 (gr/lt)
Application Method	Airless spray / Conventional spray / Brush, Roller (Touch up)
Pot Life, 20°C	1.5 hours after the mixture is prepared.

STORAGE AND SAFETY INFORMATION

Storage	Store in a well ventilated and dry conditions at temperatures between 10 - 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. (SSPC SP-1).
- Minimum ISO 8501-1: 2007 Sa2^{1/2} or SSPC SP-10 / Nace No:2 cleaning grade is recommended using abrasive media suitable to achieve a sharp and angular surface profile.
- All irregularities, burrs, slivers, slag and spatter on welds, sharp edges and corners shall conform to minimum grade P2 (ISO 8501-3).

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) = BA011

Hardener (Comp. B) = BB011Z001

-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.

3 parts of Comp. A (BA011) to 1 part Comp. B (BB011Z001) (by volume)

Application Method, 20°C

Equipment	Airless Spray	Conventional Spray
Thinner	TB0069 / TB0065	TB0069 / TB0065
Dilution	0-10 % by volume	0-10 % by volume
Nozzle Pressure	Not less than 15 MPa	-
Nozzle Size	0.015 - 0.021"	-

Drying Time, %65 RH (for 100 microns DFT)

Surface Temperature	5°C	10°C	20°C	40°C
Touch Dry	<3 hours	2 hours	1 hours	< 1 hours
Hard Dry	18 hours	10 hours	6 hours	4 hours
Overcoating Interval, Minimum	10 hours	6 hours	4 hours	3 hours

Packaging

	Volume (litres)	Size of containers (litres)
Base (Comp A) =	15	25
Hardener (Comp B) =	5	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 : 23/11/2018 (It is the user's responsibility to check that this sheet is up to date)

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