

## TECHNICAL DATA SHEET

### BA094 EPOTAN HIGH PROTECT PRIMER

#### DESCRIPTION

<b>Product Description</b>	Two component, high solids, matt epoxy primer used for protection of steel structures. It is a fast drying and super high build product. EPOTAN HIGH PROTECT PRIMER is suitable for structural steel to be exposed to corrosive environments.
<b>Intended Use</b>	<ul style="list-style-type: none"><li>• As an anticorrosive primer and/or mid coat for protection of steel in urban and industrial atmospheres.</li><li>• It is preferred in applications where fast drying and lower overcoat application time is required.</li></ul>
<b>Characteristic Properties</b>	<ul style="list-style-type: none"><li>• When topcoated with 2K acrylic polyurethane paints form a highly durable paint system on steel surface. This paint system can withstand mechanical stress and performs well in corrosive environments during the service life of the painted article.</li><li>• Due to high volume solid ratio higher nominal dry film thickness can be achieved at one coat application.</li><li>• Slight discoloration could be observed on BA094 primed surfaces when painted steel elements are exposed to UV light during transport, assembly and/or stored outside for a short while. If there's a possibility of sun light exposure throughout the process, BA094 primed surfaces should be topcoated with PUR acrylic topcoat.</li></ul>

#### PRODUCT PROPERTIES

<b>Color</b>	Grey, Beige
<b>Gloss Level</b>	Matt
<b>Mixing Ratio</b>	Material is supplied in two containers as a unit. Base (Comp A) = BA094 : 4 by volume Hardener (Comp B) = BB095Z001 : 1 by volume Thinner = TB0065 / TB00050 : 0-10 % by volume (depends on application condition)
<b>Solids (by volume)</b>	83-87% (ISO 3233-1)
<b>Suggested Thickness</b>	120±20 microns dry film
<b>Theoretical Coverage</b>	Approximately 7.08 m <sup>2</sup> /L (120 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 / Brush, Roller (Touch up)
<b>Pot Life, 20°C</b>	2 hours after the mixture is prepared.

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#### STORAGE AND SAFETY INFORMATION

<b>Storage</b>	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.
<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.

#### APPLICATION INFORMATION

<b>Surface Preparation</b>	Performance of this product depends upon the degree of surface preparation. <ul style="list-style-type: none"><li>• All surfaces to be coated should be completely clean, dry and free from contamination. (SSPC SP-1).</li><li>• Minimum ISO 8501-1: 2007 Sa2<sup>1/2</sup> or SSPC SP-10 / Nace No:2 cleaning grade is recommended using abrasive media suitable to achieve a sharp and angular surface profile.</li><li>• All irregularities, burrs, slivers, slag and spatter on welds, sharp edges and corners shall conform to minimum grade P2 (ISO 8501-3).</li></ul>
<b>Application Conditions</b>	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.
<b>Product Preparation</b>	Material is supplied in two containers as a unit. Base (Comp. A) = BA094 Hardener (Comp. B) = BB095Z001  -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.  4 parts of Comp. A (BA094) to 1 part Comp. B (BB095Z001) (by volume)

#### Application Method, 20°C

Equipment	Airless Spray	Conventional Spray
Thinner	TB0065 / TB00050	TB0065 / TB00050
Dilution	0-10 % by volume	0-10 % by volume
Nozzle Pressure	Not less than 15 MPa	-
Nozzle Size	0.019 - 0.025"	-

<b>Drying Time, %65 RH</b> (for 120 microns DFT)	<b>Surface Temperature</b>	<b>5°C</b>	<b>10°C</b>	<b>20°C</b>	<b>40°C</b>
	Touch Dry	5 hours	3 hours	2 hours	1 hour
	Hard Dry	10 hours	6 hours	4 hours	2 hour
	Overcoating Interval, Minimum	10 hours	6 hours	4 hours	2 hour

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**Packaging**

	Volume (litres)	Size of containers (litres)
Base (Comp A) =	16	25
Hardener (Comp B) =	4	5

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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 / BA094 / 01