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**TECHNICAL DATA SHEET**

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**BA693MG  
EPOTAN ZINC RICH PRIMER L3**

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**DESCRIPTION**

|                                  |   |
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| <b>Product Description</b>       | Zinc rich, high build, two component protective primer based on epoxy-polyamide resin. Developed for metal industry considering their high rust preventive primer requirement. Contains minimum 68% zinc by weight in the dry film. Conforms to SSPC Paint 20, Level 3. |
| <b>Intended Use</b>              | <ul style="list-style-type: none"><li>As a primer in coating systems where extended durability is required.</li></ul>   |
| <b>Characteristic Properties</b> | <ul style="list-style-type: none"><li>Excellent adhesion on abrasive blasted carbon steel surfaces</li><li>Good corrosion resistance</li></ul>  |

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**PRODUCT PROPERTIES**

|                             |  |
|-----------------------------|--|
| <b>Color</b>                | Grey   |
| <b>Gloss Level</b>          | Matt   |
| <b>Mixing Ratio</b>         | Material is supplied in two containers as a unit.<br>Base (Comp A) = BA693MG994 : 4.5 by volume<br>Hardener (Comp B) = BB05Z007 : 1 by volume<br>Thinner = TB0025 / TB0065 : 0-10 % by volume (depends on application condition)   |
| <b>Solids (by volume)</b>   | 70-74% (ISO 3233-1)  |
| <b>Suggested Thickness</b>  | 40±10 microns dry film   |
| <b>Theoretical Coverage</b> | Approximately 18 m <sup>2</sup> /L (40 microns dry film)<br><br>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:<br><br>Large areas: Approx. 70% of the theoretical coverage.<br>Small areas: Approx. 50% of the theoretical coverage. |
| <b>Application Method</b>   | Conventional spray / Airless spray / Brush, Roller (Touch up)  |
| <b>Pot Life, 20°C</b>       | 10 hours after the mixture is prepared. (Higher temperatures reduce the time)  |

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**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 6 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. (SSPC SP-1).
- 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.
- 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) = BA693MG994

Hardener (Comp. B) = BB05Z007

-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.

4.5 parts of Comp. A (BA693MG994) to 1 part Comp. B (BB05Z007) (by volume)

-Zinc powder in mixed paint tends to sink due to heavy specific gravity. Stir slowly during application to prevent zinc powder settling.

##### Application Method, 20°C

| Equipment       | Conventional Spray | Airless Spray        |
|-----------------|--------------------|----------------------|
| Thinner         | TB0025 / TB0050    | TB0025 / TB0050      |
| Dilution        | 0-10 % by volume   | 0-10 % by volume     |
| Nozzle Pressure | -                  | Not less than 15 MPa |
| Nozzle Size     | -                  | 0.017 - 0.025"       |

##### Drying Time, %65 RH (for 40 microns DFT)

| Surface Temperature           | 5°C        | 10°C       | 20°C       | 40°C       |
|-------------------------------|------------|------------|------------|------------|
| Touch Dry                     | 50 minutes | 20 minutes | 10 minutes | 4 minutes  |
| Hard Dry                      | 3 hours    | 2 hours    | 1.5 hours  | 40 minutes |
| Overcoating Interval, Minimum | 3 hours    | 2 hours    | 1.5 hours  | 40 minutes |

##### Packaging

|                     | Volume (litres) | Size of containers (litres) |
|---------------------|-----------------|-----------------------------|
| Base (Comp A) =     | 16.4            | 25                          |
| Hardener (Comp B) = | 3.6             | 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: 19/04/2022 (It is the user's responsibility to check that this sheet is up to date)

Reference No: TDS / BA693/ 00

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