

## TECHNICAL DATA SHEET

### BA146

### EPOTAN TANK LINING DI

#### DESCRIPTION

<b>Product Description</b>	Two component, high volume solids, polyamine cured solvent free epoxy primer with excellent water, chemical, solvent and abrasion resistance and mechanical properties. It can be applied high film thicknesses. It is suitable for potable water and does not contain benzyl alcohol.
<b>Intended Use</b>	<ul style="list-style-type: none"><li>• Can be used as a lining in potable water tanks and pipelines.</li></ul>
<b>Characteristic Properties</b>	<ul style="list-style-type: none"><li>• Excellent water, chemical, solvent and abrasion resistance</li><li>• It contains no solvents including benzyl alcohol.</li></ul>

#### PRODUCT PROPERTIES

<b>Color</b>	Light red
<b>Gloss Level</b>	Glossy
<b>Mixing Ratio</b>	Material is supplied in two containers as a unit. Base (Comp A) = BA146 : 3.4 by volume Hardener (Comp B) = BB146Z001 : 1 by volume
<b>Solids (by volume)</b>	100 %
<b>Suggested Thickness</b>	300±20 microns dry film (as two coats of 150 micron each). Should not be used in service before hard dry.
<b>Approvals &amp; Qualifications</b>	<ul style="list-style-type: none"><li>• Approved to be used for lining for steel water pipe fittings by Element Materials Technology according to AWWA-C210-03.</li><li>• Approved to BS6920-1:2000 and/or 2014 for contact with potable water up to 23°C (WRAS Approval number: 1808560)</li><li>• Approved to be used dry and liquid food contact in accordance with FDA Title 21, Part 175.300.</li></ul>
<b>Theoretical Coverage</b>	Approximately 10 m <sup>2</sup> /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.
<b>Application Method</b>	Airless spray / Brush
<b>Pot Life, 20°C</b>	1 hours after the mixture is prepared. (Higher temperatures reduce the time).

#### 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.

Page:1/2

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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) = BA146

Hardener (Comp. B) = BB146Z001

-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.

3.4 parts of Comp. A (BA146) to 1 part Comp. B (BB146Z001) (by volume)

##### Application Method, 20°C

Equipment	Airless Spray
Nozzle Pressure	Not less than 15 MPa
Nozzle Size	0.019 - 0.025"

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

Surface Temperature	5°C	10°C	20°C	40°C
Touch Dry	24 hours	10 hours	5 hours	2 hours
Hard Dry	40 hours	16 hours	8 hours	5 hours
Overcoating Interval, Minimum	40 hours	16 hours	8 hours	5 hours

##### Packaging

	Volume (litres)	Size of containers (litres)
Base (Comp A) =	15.45	25
Hardener (Comp B) =	4.55	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: 02/08/2021 (It is the user's responsibility to check that this sheet is up to date)

Reference No: TDS / BA146/ 03

Page:2/2