

## TECHNICAL DATA SHEET

### BA124 EPOTAN HS MASTIC

#### DESCRIPTION

**Product Description** Two component, high volume solids, high build and surface tolerant, semi matt epoxy paint used for protection of steel structures. It can be applied directly on shop primed substrate as a primer or on zinc rich primers as a tiecoat or as a finishing coat.

**Intended Use** • Primarily designed for maintenance and repair

**Characteristic Properties** • Long lasting protection in environments with high corrosivity

#### PRODUCT PROPERTIES

**Color** Grey

**Gloss Level** Semi Matt

**Mixing Ratio** Material is supplied in two containers as a unit.  
Base (Comp A) = BA124 : 6 by volume  
Hardener (Comp B) = BB124Z004 : 1 by volume  
Thinner = TB0065 : 0-10 % by volume (depends on application condition)

**Solids (by volume)** 83-87 % (ISO 3233-1)

**Suggested Thickness** 150±20 microns dry film

**Approvals & Qualifications** • Approved to be used for lining for steel water pipe fittings by Element Materials Technology according to AWWA-C210-03.

**Theoretical Coverage** Approximately 5.66 m<sup>2</sup>/L (150 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)** 132 ( gr/lt )

**Application Method** Conventional Spray / Brush, Roller (Touch up)

**Pot Life, 20°C** 2 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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EPOTAN HS MASTIC****APPLICATION INFORMATION****Surface Preparation**

All surfaces to be coated should be clean, dry and free from contaminations. BA124 is designed to apply even on marginally pretreated substrates. Nevertheless, blast cleaning to Sa2<sup>1/2</sup> is recommended. If the preceding coat is an organic or inorganic zinc rich primer, white rust deposits should be eliminated before application.

- Remove oil and grease with suitable detergents or solvents (SSPC SP-1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO 8501-1: 2007 Sa2<sup>1/2</sup> or SSPC SP-10).

**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) = BA124

Hardener (Comp. B) = BB124Z004

- 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.

6 parts of Comp. A (BA124) to 1 part Comp. B (BB124Z004) (by volume)

**Application Method, 20°C**

Equipment	Airless spray	Conventional Spray
Thinner	TB0065	TB0065
Dilution (max.)	% 5 by volume	10 % by volume
Nozzle Pressure	250 bar [3600 psi]	-
Nozzle Orifice	0.017-0.023"	-

**Drying Time, %65 RH  
(for 150 microns DFT)**

Surface Temperature	5°C	10°C	20°C	40°C
Touch Dry	24 hours	12 hours	4 hours	2 hours
Hard Dry	48 hours	21 hours	7 hours	4 hours
Overcoating Interval, Minimum	48 hours	21 hours	7 hours	4 hours

**Packaging**

	Volume (litres)	Size of containers (litres)
Base (Comp A) =	17.15	25
Hardener (Comp B) =	2.85	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.

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(It is the user's responsibility to check that this sheet is up to date)

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