

TECHNICAL DATA SHEET

BA124MG EPOTAN HS MASTIC, ALUMINIUM

DESCRIPTION

Product Description	Two component, high volume solids, surface tolerant, polyamine adduct cured epoxy mastic used for protection of steel structures. Pigmented with aluminium for improved barrier protection. BA124MG can be applied directly on shop primed substrate as a primer or on epoxy or ethyl silicate zinc rich primers as an intermediate coat.
Intended Use	<ul style="list-style-type: none">• Designed for new building and maintenance works• Suitable for properly prepared carbon steel and existing coating surfaces.
Characteristic Properties	<ul style="list-style-type: none">• Long lasting protection in environments with high corrosivity

PRODUCT PROPERTIES

Color	Aluminium
Gloss Level	Semi matt
Mixing Ratio	Material is supplied in two containers as a unit. Base (Comp A) = BA124MG : 4 by volume Hardener (Comp B) = BB124Z005 : 1 by volume Thinner = TB0065 : 0-10 % by volume (depends on application condition)
Solids (by volume)	80-84 %
Suggested Thickness	150±20 microns dry film
Theoretical Coverage	Approximately 5 m ² /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.
Application Method	Airless spray / Conventional spray / Brush, Roller (touch up small areas)
Pot Life, 20°C	1 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.

TECHNICAL DATA SHEET

BA124MG EPOTAN HS MASTIC, ALUMINIUM

APPLICATION INFORMATION

Surface Preparation

All surfaces to be coated should be clean, dry and free from contamination. BA124MG404 is designed to apply even on marginally pretreated substrates. Nevertheless, blast cleaning to minimum ISO 8501-1: 2007 Sa 2 or SSPC SP-6 with a surface profile 30-85 µm, grade Fine to Medium G (ISO 8503-2) is recommended. If the preceding coat is an inorganic zinc rich primer, white rust (zinc salts) deposits should be eliminated before application.

- Remove oil and grease with suitable detergents or solvents (SSPC SP-1).
- All irregularities, burrs, slivers, slag and spatter on welds, sharp edges and corners shall conform to minimum grade P2 (ISO 8501-3) All edges shall have a rounded radius of minimum 2 mm.
- **For new buildings**, remove rust, mill scale and other loose material completely by abrasive blasting (ISO 8501-1: 2007 Sa 2, preferably Sa 2½) using abrasive media suitable to achieve a sharp and angular surface profile.
- **For previously coated surfaces**, application after complete mechanical removal of loosely adhered, damaged existing coating system is possible. Surface should be prepared by mechanical preparation methods in accordance with ISO 8504-3, minimum to ISO 8501-1-St 2 until reaching rough and matt surface appearance, free from loosely adhered existing coatings.

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) = BA124MG

Hardener (Comp. B) = BB124Z005

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 (BA124MG) to 1 part Comp. B (BB124Z005) (by volume)

Application Method, 20°C

Equipment	Airless spray	Brush / Roller
Thinner	TB0065	TB0065
Dilution	0-5 % by volume	5-10 % by volume
Nozzle Pressure	More than 15 MPa	-
Nozzle Size	0.019 - 0.025"	-

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

Surface Temperature	5°C	10°C	20°C	40°C
Touch Dry	12 hours	6 hours	2.5 hours	1.5 hours
Hard Dry	26 hours	16 hours	6 hours	4 hours
Overcoating Interval, Minimum	26 hours	16 hours	6 hours	4 hours

Packaging

	Volume (litres)	Size of containers (litres)
Base (Comp A) =	16	25
Hardener (Comp B) =	4	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 : 06/06/2017 (It is the user's responsibility to check that this sheet is up to date)

Reference No : TDS / BA124MG4024/ 00

Page:2/2