

**KARDEN BITURON**

PRODUCT CODE: KBK 020122  
MARINE PAINT COAL TAR EPOXY MASTIC

**1. DESCRIPTION OF PRODUCT AND THE PRODUCER**

GENERIC TYPE	Coal tar epoxy
DESCRIPTION, AREAS OF USE	Two pack, self priming, modified epoxy polyamide based coal tar paint meeting SSPC Paint-16 criterias. Karden Bituron has excellent chemical, corrosion, abrasion resistance and controlled cathodic protection compatibility properties. Wet on wet application upto 600 microns is available while allowing proper times for solvents flash off between passes.
PRODUCER INFORMATION	Kartallar Boya ve Kimya Sanayi Ticaret Limited Sirketi Koslucesme Mahallesi, Yeni Bagdat Caddesi, No:136, 41400 Gebze / KOCAELI / TURKIYE
PRODUCT HOTLINE	Monday-Saturday (08:30 - 18:00) Tel: 0262 641 49 67 Fax : 0262 641 49 68
EMERGENCY LINE	Uludag University Poison Research Center (7/24) - +90 224 442 82 93

**2. PRODUCT'S TECHNICAL & APPLICATION PARAMETERS**

COLOUR(S) / TEXTURE	Black
APPEARANCE	Glossy (ASTM D 523)
SPECIFIC GRAVITY	1,28±0,02 g/cm <sup>3</sup> (ASTM D 1475)
SOLID BY VOLUME	%75±1 (ASTM D 2697)
THINNER CODE	K- Solv 1000
THINNING RATE	%5-8 for applications on steel surfaces. Upto %20 for first coat application on concrete surfaces
VOC CONTENT	325 g/L (ASTM D 3960)
SPREADING RATE	3 sqm per liter when applied as single coat (300 microns DFT)
SURFACE DRY TIME	4 hours @25 °C
THROUGH DRY	24 hours @20 °C
COMPLETELY CURED	7 days @20 °C
HARDENER TYPE - COMP. MIXING RATIO	K-Cure 24000, <b>4:1 on Volume</b>
METHOD OF APPLICATION	Airless Spray, HVLP Spray, lint free roller, brush
NOZZLE INFO	0,023" - 0,035"
PRESSURE INFO	200-270 bars
RECOMMENDED WET THICKNESS	600 microns (two coats - 300 microns/coat)
DRY FILM THICKNESS	450 microns
MINIMUM RECOATING INTERVAL	<b>6 hours</b> @20 °C
MAXIMUM RECOATING INTERVAL	<b>24 hours</b> @20 °C
MAXIMUM RECOATING INTERVAL(IMMERSION)	<b>24 hours</b> @20 °C for Karden Epotie, Karden Unimarine, Karden Masterguard
POT LIFE	<b>2 hours</b> @20 °C
SHELF LIFE	<b>2 years</b> for Component A and <b>3 year</b> for Component B from the date of manufacture, as long as stored at proper conditions and unopened

**3. SURFACE PREPARATION & ENVIRONMENTAL CONDITIONS DURING APPLICATION**

NEW APPLICATION	Oil and grease should be removed by solvent cleaning according to SSPC-SPI. Steel surfaces should be abrasive blasted to Sa2 <sup>1/2</sup> as per ISO 8501-1:2007) If a suitable temporary protecting primer was applied, loose debris and any type of contamination should be cleaned thoroughly prior to the final application.
REPAIRS	Corroded areas should be blast cleaned to Sa2 <sup>1/2</sup> or SSPC SPIO. Existing systems should be dry and free from loose paint, salt, grease and other contaminants prior to the overcoating.
SURFACE SALT LIMITS	35µg/sqm

DATE OF ISSUE : 24.09.2018

**KARTALLAR BOYA VE KIMYA SANAYI TICARET LIMITED SIRKETI**

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**3. SURFACE PREPARATION & ENVIRONMENTAL CONDITIONS DURING APPLICATION (CONTINUED)****ENVIRONMENT CONDITIONS**

The temperature of the surface should be at least 3°C higher than the DewPoint of the air. Temperature and relative humidity should be measured in the vicinity of the substrate. The maximum recommended surface temperature is 40°C. In extreme cases, it may be necessary to reduce film thickness in order to avoid sagging. When applying the paint in confined spaces, provide adequate ventilation during application and drying. The temperature of the mixed paint should be at least 15°C. Otherwise extra solvent may be needed to obtain a proper application viscosity. Relative humidity must not be over %80

**4. PACKING & STORAGE CONDITIONS****PACKING DETAILS**

16 Component A + 4L Component B in steel pails

**STORAGE CONDITIONS**

Storing areas should be dry and well ventilated where the temperature is always between 5-30°C. These areas should be separated from the manufacturing fields to eliminate the risks of fire.

**5. ENVIRONMENTAL RESPONSIBILITY, HEALTH & SAFETY****GENERAL RULES**

Observe the precautionary notices on the label of the container. A material safety data sheet is available upon request and national or local safety regulations should be followed. This product is intended for use by professional applicators.

**HEALTH**

Avoid skin- and eye contact by wearing overalls, gloves, goggles, mask, etc. Spillage on the skin should immediately be removed by thorough washing with lukewarm water and soap or a suitable industrial cleaner. Eyes should be flushed with fresh water and medical attention sought immediately. Spraying should be carried out under well-ventilated conditions. Avoid inhalation of solvent vapors and paint mist by wearing an air mask.

**SAFETY**

This product contains flammable materials and should be kept away from sparks and open flames. Smoking in the area should not be permitted.

**6. DISCLAIMER****DISCLAIMER**

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product without notice.

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**KARTALLAR BOYA KIMYA**

"Kuruyun Estetik"

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