

**KARDEN ETHYLAN 12**

PRODUCT CODE: KBK 020110  
MARINE PRIMER

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

GENERIC TYPE	Self curing, inorganic, zinc silicate primer
DESCRIPTION, AREAS OF USE	A weldable pre-construction inorganic zinc primer for shop use. This product is designed to protect steel during construction phase of projects under normal conditions. Can be topcoated for additional long term protection against atmospheric exposures. Weld spatters do not adhere onto it. Can be welded as quickly and easily as bare steel so that prevents time loose at production lines. Dries to touch and handle in 3 to 5 minutes.
PRODUCER INFORMATION	Kartallar Boya ve Kimya Sanayi Ticaret Limited Sirketi Kosklucesme 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	Grey
APPEARANCE	Flat (ASTM D 523)
SPECIFIC GRAVITY	1,30±0,02 g/cm <sup>3</sup> (ASTM D 1475)
SOLID BY VOLUME	%24±1 (ASTM D 2697)
THINNER CODE	K- Solv 1300
THINNING RATE	Not normally necessary
VOC CONTENT	696 g/L (ASTM D 3960)
SPREADING RATE	18-19 sqm per liter when applied as single coat (15 microns DFT)
SURFACE DRY TIME	3-5 minutes @20 °C
THROUGH DRY	5 hours @20 °C
COMPLETELY CURED	8 hours @20 °C
COMPONENT B INFORMATION	Karden Ethylan Part B ( KBK 020110-B), <b>3,45:1 on Volume</b>
METHOD OF APPLICATION	Airless Spray, HVLP Spray, brush. Never apply by roller
NOZZLE INFO	0,019" - 0,023"
PRESSURE INFO	100-140 bars
RECOMMENDED WET THICKNESS	Can't be indicated due to fast release of non volatile portion
DRY FILM THICKNESS	15 microns
MAXIMUM RECOATING INTERVAL	<b>No limitation</b>
MAXIMUM RECOATING INTERVAL(IMMERSION)	No limitation
POT LIFE	<b>48 hours</b> @20 °C, potlife ends when the mixture becomes too viscous to use
SHelf LIFE	<b>Part A</b> : 18 months if stored at @25°C , <b>Part B</b> : 24 months if stored at @25°C

**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 SP10. 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

15,5L Component A in steel pail + 4,5L Component B

### 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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