

**KARPOX WATERGARD**

PRODUCT CODE: KBK 03034  
POTABLE WATER TANK COATING

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

GENERIC TYPE	Epoxy Phenalkamine coating
DESCRIPTION, AREAS OF USE	Two pack all purpose, immersion type, phenalkamine cured epoxy paint for lining interiors of potable water tanks. Surface tolerance, faster recoat times, moisture tolerance during application and cure, perfect corrosion protection are key features of this all year use product. Suitable both for maintenance and new building projects. Could be used as DTM primer or as an intermediate coat on other suitable primers. Also suitable for saltwater and sewage exposure.
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, Biege, Black, White and Oxide Red
APPEARANCE	Egshell (ASTM D 523)
SPECIFIC GRAVITY	1.55±0.05 g/cm <sup>3</sup> (ASTM D 1475)
SOLID BY VOLUME	%65±1 (ASTM D 2697)
THINNER CODE	K- Solv 1800
THINNING RATE	%6-8
VOC CONTENT	337 g/L (ASTM D 3960) ( when thinned %8 with K-Solv 1800)
SPREADING RATE	7 sqm per liter when applied as single coat (100 microns DFT)
SURFACE DRY TIME	30 minutes @20 °C
THROUGH DRY	8 hours @20 °C
COMPLETELY CURED	7 days @20 °C
HARDENER TYPE - COMP. MIXING RATIO	K-Cure 25000 , 4:1 on Volume
METHOD OF APPLICATION	Airless Spray, HVLP Spray, lint free roller, brush
NOZZLE INFO	0.017" - 0.021"
PRESSURE INFO	160-200 bars
RECOMMENDED WET THICKNESS	160 microns
DRY FILM THICKNESS	100 microns
MINIMUM RECOATING INTERVAL	1 hour @20 °C for same material
MAXIMUM RECOATING INTERVAL	180 days @20 °C for same material
MAXIMUM RECOATING INTERVAL(IMMERSION)	30 days @20 °C for same material
POT LIFE	3 hours @20 °C
SHELF LIFE	2 years for Component A and 2 years 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 SPI0. Existing systems should be dry and free from loose paint, salt, grease and other contaminants prior to the overcoating.
SURFACE SALT LIMITS	35µg/sqm

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**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 10°C. Otherwise extra solvent may be needed to obtain a proper application viscosity. Relative humidity must not be over %90. Should only be applied on completely dry surfaces where the ambient temperature is at least -7°C.

### 4. PACKING & STORAGE CONDITIONS

#### PACKING DETAILS

16L 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 VE KIMYA SANAYİ TİCARET LİMİTED SİRKETİ

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