

**KARDEN FLORA**

PRODUCT CODE: KBK 020221  
 FLOURESCENT MARINE TOPCOAT

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

GENERIC TYPE	Acrylic-flourescent topcoat paint
DESCRIPTION, AREAS OF USE	One pack, air drying flourescent reflecting topcoat paint based on acrylic resin. A ready mixed and easy to use topcoat paint . Used for safety and life-saving warning purposes. Improved light fastness could be achieved by topcoating this product with Karden Flora Protect.
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	RAL 1025, RAL 2005, RAL 2007, RAL 3026
APPEARANCE	Semi Matt (ASTM D 523)
SPECIFIC GRAVITY	1,00±0,05 g/cm <sup>3</sup> (ASTM D 1475)
SOLID BY VOLUME	%45±1 (ASTM D 2697)
THINNER CODE	K- Solv 1100
THINNING RATE	%5-8
VOC CONTENT	450 g/L (ASTM D 3960)
SPREADING RATE	10 sqm per liter when applied as single coat (32 microns DFT)
SURFACE DRY TIME	30 minutes @20 °C
THROUGH DRY	4 hours @20 °C
COMPLETELY CURED	3 days @20 °C
HARDENER TYPE - RATIOS	N/A
METHOD OF APPLICATION	Airless Spray, HVLP Spray, lint free roller, brush
NOZZLE INFO	0,015"- 0,017"
PRESSURE INFO	150-160 bars
RECOMMENDED WET THICKNESS	100 microns
DRY FILM THICKNESS	45 microns
MINIMUM RECOATING INTERVAL	<b>4 hours</b> @20 °C for K-Acryl IK and Karden Acryl HB
MAXIMUM RECOATING INERVAL	<b>No limitation</b>
POT LIFE	N/A
SHELF LIFE	<b>2 years</b> from the date of manufacture if stored at proper conditions and unopened

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

NEW APPLICATION	Steel surfaces should be properly primed by proper KBK Marine Primers or Intermediate Coats soon after completion of SA2 blasting. Surface must be clean, dry and free from any contaminants.
REPAIRS	Corroded areas should be power tool cleaned to ISO-St3 or blast cleaned to ISO-Sa2 or better. Existing systems should be dry and free from loose paint, salt, grease and other contaminants prior to 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)

<b>ENVIRONMENT CONDITIONS</b>	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
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### 4. PACKING & STORAGE CONDITIONS

<b>PACKING DETAILS</b>	4L, 20L steel pails
<b>STORAGE CONDITIONS</b>	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

<b>GENERAL RULES</b>	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.
<b>HEALTH</b>	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.
<b>SAFETY</b>	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

<b>DISCLAIMER</b>	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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