

KARDEN MARINPAL

PRODUCT CODE: KBK 02037
ANTIFOULING PAINT

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

GENERIC TYPE	Self Polishing, one component high performance antifouling paint
DESCRIPTION, AREAS OF USE	A tin-free polishing antifouling based on specially developed mixture of polymers and formulated with a well balanced combination of biocides. The paint surface is self abrasive by a carefully adjusted balance of hydrophobic and hydrophilic binders. This mechanism enables leaching control and allows easy recoating after service life. Suitable for upgrading existing long life antifouling systems. Due to its unique binder formulation, upto 36-months performance is possible.
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)	Red, RedBrown, Black, Green, Blue
APPEARANCE	Flat
SPECIFIC GRAVITY	1,73±0,05 g/cm ³ (ASTM D 1475)
SOLID BY VOLUME	%55±2 (ASTM D 2697)
THINNER CODE	Not normally thinned
THINNING RATE	5%
VOC CONTENT	388 g/L (ASTM D 3960)
SPREADING RATE	5,5 sqm per liter when applied as single coat (100 microns DFT)
SURFACE DRY TIME	2 hours @20 °C
THROUGH DRY	12 hours @20 °C
READY FOR IMMERSION	12 hours @20 °C
HARDENER TYPE - RATIOS	N/A
METHOD OF APPLICATION	Airless Spray, HVLP Spray, lint free roller, brush
NOZZLE INFO	0,019" - 0,025"
AIRLESS PUMP RATIO	45:1
SPRAY HOSE LENGHT	Maximum 20m with 45:1 pumps
PRESSURE INFO	180-220 bars
RECOMMENDED WET THICKNESS	230 microns, Consult KBK Coatings to determine proper dry film thicknesses for longer drydocking intervals.
DRY FILM THICKNESS	125 microns
MINIMUM RECOATING INTERVAL	6 hours @20 °C
MAXIMUM RECOATING INERVAL	6 months
POT LIFE	N/A
SHelf LIFE	18 months from the date of manufacture if stored at proper conditions and unopened

3. SURFACE PREPARATION & ENVIRONMENTAL CONDITIONS DURING APPLICATION

NEW APPLICATION	Oil and grease should be removed by a suitable detergent and this procedure should be followed by high pressure fresh water cleaning. Steel surfaces should be properly primed by a suitable KBK Marine primer and Tiecoat soon after completion of SA2 ^{1/2} blasting. Surface must be clean, dry and free from any contaminants. For aluminium hulls; at least 2 coats of recommended priming system should be applied.
REPAIRS	Corroded areas should be blast cleaned to ISO-Sa2 ^{1/2} . Existing paints should be dry and free from loose paints, salts, grease and other contaminants prior to overcoating. Leached layers of former antifouling paint should be removed by high pressure fresh water cleaning.
SURFACE SALT LIMITS	35µg/sqm
IMPORTANT NOTICES	This product contains heavy particles. Achieving the best performance from the product depends on stirring well and being sure that a homogeneous state is obtained.

**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 between 10-30°C. Relative humidity must not be over %90
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4. PACKING & STORAGE CONDITIONS

PACKING DETAILS	4L and 20L steel containers
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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