



PRODUCT DATA SHEET

KOSKYD KPC-MIO

ALKYD MICACIOUS IRON OXIDE COATING

DESCRIPTION

KOSKYD MIO is an alkyd coating pigmented with micaceous iron oxide. The product offers good resistant against abrasion and impact. It provides an excellent barrier against penetration of water and water vapor. This product is recommended for use as protective coating on steel structures, it may be over coated with alkyd base finish or left uncoated.

PHYSICAL PROPERTIES

Colour	: MIO Silver grey; MIO Dark grey
Specific Gravity	: $1.50 \pm 0.02 \text{ gm/cm}^3$
Solid Content	: 53 ± 2 by volume.
Flash Point	: $>30^\circ\text{C}$
Finish	: Matt

SURFACE PREPARATION

Steel Substrates: All loosely attached paint layer must first be remove by paint remover; scrapping; mechanical grinding or sanding, removed oil; greases; dirt and other contaminants prior to painting. Corroded and / or damaged areas should be repaired first with an appropriate filler and primer system.

MIXING / APPLICATION DATA

Guiliding data Airless Spray : Pressure at nozzle: 120-150 bar. Nozzle size: 0.38-0.53mm.
Spray angle 40-80 degrees.
Volume of thinner required: 0-5%

Application by Air Spray : Pressure at nozzle: 3-5 bar. Nozzle size: 1.5-2.0mm
(Conventional Spray) Volume of thinner required : 0-5%

Application by Brush/Roller : Suitable
Volume of thinner required: 5-10%

Thinner / Cleaner : Kossan Standard thinner 6.00

THEORITICAL COVERAGE & PACKING SIZE

Coverage	: $9\text{-}10\text{m}^2/\text{Liter}$ per coat.
Packing Size	: 5Liter & 20Liter

KOSSAN PAINT (M) SDN.BHD

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CONDITIONS

Humidity: below 90% R.H.

Temperature of the paint before application: min.10°C, max. 40°C.

Substrate temperature min. 5°C, max. 50°C. The temperature of the substrate should be at least 3°C above the dew point of the air. Air temperature and relative humidity should be measured in the vicinity of the substrate.

CURING TIME

Substrate temperature	Touch dry	Hard dry	Overcoating Interval	
			Minimum	Maximum
10 °C	4 hours	8 hours	24 hours	Indefinite
23 °C	2 hours	6 hours	16 hours	Indefinite
30 °C	1 hours	4 hours	8 hours	Indefinite

PAINTING SYSTEM**Steel**

1 st Coat	Recommended KOSSAN Alkyd Primer	1 coat @ 50-75µ dft.
2 nd Coat	Koskyd MIO KPC-MIO	1 coat @ 50-60µ dft.
3 rd Coat	Koskyd MIO KPC-MIO	1 coat @ 50-60µ dft.

STORAGE & SHELF LIFE

KOSKYD MIO KPC-MIO have a minimum self-life of 12 months at cool and dry place. Containers must be kept tightly closed.

HEALTHY & SAFETY

Avoid skin and eyes contact by wearing suitable overalls, gloves, goggles, etc. Spillage on the skin should immediately be removed by thorough washing with water and soap. Eyes should be well flushed with water and medical attention sought immediately.

PRODUCT LIMITATIONS

KOSKYD KPC-MIO is not recommended for continuous immersion and is not suitable for exposure to acidic and alkaline environments. Excessive thickness or over application of KOSKYD KPC-MIO can lead to improper curing of paint film which will require complete removal of the affected areas via abrasive blasting. Maximum film build in a single coat is best achieved by airless spray. For brush and roller application, multiple coats will be required to achieve the required DFT. Volume solids values state are for guidance purpose only and may be subject to variation depending on factors such as colour and manufacturing tolerances. Due to the nature of alkyd paints, KPC-MIO may yellow when left in dark environments for prolonged periods of time. However this is only a cosmetic effect and does not affect the performance of the product.

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 factor 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 data without notice.

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