



PRODUCT DATA SHEET

KOSACRYLIC FINISH ACM-Series

Methyl Methacrylate (MMA) Finish

PRODUCT DESCRIPTION

A very quick drying single pack Methyl Methacrylate (MMA) finish, Pigmented with special selected pigments it provides excellent weather durability and also good resistance against acids and alkaline. This product is recommended for concrete & steel surfaces exposure to exterior aggressive atmospheric environment where gloss and colour retention is required.

PHYSICAL PROPERTIES

Colour	: Wide colour range (or) RAL standard colour shade.
Texture	: Semi-Gloss
Specific Gravity	: 1.16 – 1.22 g/cm ³ . (varies on colour shade).
Volume Solids	: 49 ± 3% (varies on colour shade).
VOC	: 500 g/L. (varies on colour shade).
Touch Dry	: 20 minutes at 30 °C
Hard Dry	: 2 hours at 30 °C
Flash Point	: >25 °C
Recoating Time	: min.2 hours at 30 °C

MECHANICAL PHYSICAL PROPERTIES

Carbon dioxide diffusion resistance	: 390 m of air (BS EN 1062-6 : 2002, Method B).
Water vapour transmission	: 23.02 g/m ² /day (BS EN ISO 7783-1 : 2011).
Reduction in water absorption	: 85.5% (ASTM C 642-06).
Reduction in chloride ion reffusion	: 99.26% (ASTM C1556-11a)
Freeze/Thaw salt scaling	: After 50 cycles Exposed no Scaling effect (ASTM C 672-12).

SURFACE PREPARATION

Steel & Wooden Substrates : All loosely attached paint layer must first be removed 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.

KOSSAN PAINT (M) SDN.BHD

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Concrete Surface : Make sure substrates must be free from heavy contamination, deposits, dust and loose parts. Damage such as cracks >0.3mm and flaking must also be repaired by suitable means before painting. Surface must be dry and free from damp spots prior to application.

MIXING / APPLICATION DATA

Guiding data Airless Spray : Pressure at nozzle : 120-150 bar. Nozzle size : 0.38-0.53mm.
Spray angle 40-80 degrees.
Volume of thinner required : 5 ~ 10%
Application by Air Spray : Pressure at nozzle : 3-5 bar. Nozzle size : 1.2-2.0mm
(Conventional Spray) Volume of thinner required : 15 ~ 20%
Application by Brush / Roller : Suitable
Volume of thinner required : 0 ~ 5%
Thinner / Cleaner : Kossan Special thinner 6.01
No. of coat required : 2 – 3 coats.

CONDITIONS

Humidity : below 85% R.H.

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

Substrate temperature min. 5°C, max. 45°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.

THEORITICAL COVERAGE & PACKING SIZE

Coverage : 9.8m²/L per @ DFT = 50µm. (varies on type & surface roughness)
Packing Size : 5 Liter & 20Liter

PAINTING SYSTEM RECOMMENDED

Steel	: Kosoprene Primer 1.25	x 1-2 coat	@35-45µm (DFT).
	Kosacrylic Finish ACM-Series	x 1-2 coat	@45-75µm (DFT).
Concrete	: Kossan Aquapel SB - AQP-100SB	x 1-2 coat.	
	Kosacrylic Finish ACM-Series	x 1-2 coat	@45-75µm (DFT).

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STORAGE

KOSACRYLIC FINISH ACM-Series has a minimum shelf-life of 12 months at cool and dry place. Containers must be kept tightly closed.

SAFETY & HEALTH

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.

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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