

RAK Shield Emulsion Matt

Product description

RAK Shield Emulsion Matt is a superior quality exterior topcoat based on 100% pure acrylic emulsion.

High performance colour pigments and binder technology that offer excellent resistance to ultraviolet radiation along with excellent anti-algae & anti-fungal properties by optimum use of biocide content. Offers brighter, smoother matt, cleaner shades that will not fade in harsh weather conditions of middle east region, special lighter shades provide heat reflection features, low dirt pick-up resistance making sure your home continues to look beautiful for longer time.

Product Benefits

Excellent CO₂ diffusion (carbonation) resistance & prevent the corrosion of rebar within the concrete matrix, leading to superior structural protection.

Maximum UV protected colours which enables highest level of colour lasting.

Unique dirt resistance (DPUR) property, fights dirt from settling on the wall surface and thereby retains the initial beauty.

Advanced anti-algal formula which keeps away algal growth from your walls.

Product offers 10 years' colour performance, with best in class colour retention for longer time and Product performance warranty is up to 3 years.

Special lighter shades provide heat reflective feature.

Typical use

For use on exterior surfaces i.e. cement plaster, concrete, masonry, rendered block work, gypsum board etc.

Colours

As per RAK Shade Card.

Product data

Property	Description
Gloss level (GU 60 °)	Matt
Solids by volume	43 ± 2 % Only for White Colour
Density	1.38 kg/l*
VOC-ISO 11890 EU	12 g/l*

* This is the theoretical value for white colour only. Tested value will vary depending on shade, test methodology, accuracy of equipment used for testing and test conditions.

The provided data is typical for factory produced products, subject to slight variation depending on colour. All data is valid for mixed paint.

Gloss description: According to RAK Decorative Coatings' definition.

RAK Paints LLC, PO Box: 86012, Tel: +971-7-2444036, Fax: +971-7-2446110, Ras Al Khaimah, UAE. www.rakpaints.com

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Film thickness per coat

Typical recommended specification range

Dry film thickness	30	-	50	µm
Wet film thickness	70	-	116	µm
Theoretical spreading rate	14.3	-	8.6	m ² /l

The Actual Spreading Rate will depend on the actual dry film thickness, the nature of substrate, imperfections, temperature, the application method and the losses in container and application.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Surface preparation

The surface must be cleaned of any dust, oil, grease, poorly adhering materials, etc. It should be clean, dry and well primed. All loose materials must be thoroughly rubbed down using a suitable abrasive paper. Any resulting dust/loose particles must be removed. All traces of form release agents/curing agents must be removed.

Application

Application methods

Roller : This product is recommended to be applied by using roller

Brush : Recommended for corners, edges and small areas

Spray : Use conventional spray or airless spray

Guiding data for airless spray

Nozzle Tip : 0.021" – 0.025"

Pressure at nozzle (minimum) : 2000 – 2500 psi

Spray Angle : 65° -- 80°

Apply this product only if relative humidity is less than 85% and substrate temperature is minimum 10° C & above 3° C of the dew point

Thinner / Cleaning of Painting Tools

Water

Dilution

10 – 15% Recommended

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Drying and Curing time

Surface Dry	60 Minutes
Hard Dry	2 - 4 Hours
Recoating Time (Minimum)	3 Hours

Drying and curing times are determined under controlled temperatures and relative humidity below 50 %, temperature 30° C and at average of the DFT range for the product.

Typical paint system

Primer	: RAK Acrylic AR Primer / Acrylic Primer – 1 Coat
Topcoat	: RAK Shield Emulsion Matt – 2 Coats

Packaging (typical)

RAK Shield Emulsion Matt	3.6 L and 18 L
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Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 30 °C

RAK Shield Emulsion Matt	24 month(s)
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In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Health and safety

During paint application, it is advisable to wear suitable protective guards (PPE). In case of accidental contact with eyes rinse immediately with plenty of water and seek medical advice. In case of inhalation- remove to fresh air, loosen collar and keep patient rested. Get medical treatment. For remove splashes from skin, use soap and water or approved skin cleanser. Flammable material always keeps away from sources of ignition and do not smoke. Ensure sufficient ventilation during application and drying. Do not breathe vapour/spray. Keep container tightly closed and keep out of reach of children. In case of fire - use foam, carbon dioxide or dry chemicals. For more information, refer MSDS.

Disclaimer

The data provided in this sheet is given to the best of our knowledge and based on laboratory testing and practical experience. We cannot guarantee anything but the product since the conditions and methods during application vary. We reserve the right to change the given data without prior notice. The product data sheet supersedes those previously issued.

For more information, contact your local RAK Paints Representative, go to www.rakpaints.com or call +971-7-2444036. RAK Paints LLC, PO Box: 86012, Tel: +971-7-2444036, Fax: +971-7-2446110, Ras Al Khaimah, UAE. www.rakpaints.com
