

ROYALE HEALTH SHIELD

Luxury emulsion paint

DESCRIPTION & USES

-Royale Health Shield is an ultra-premium Pure Acrylic water based exquisite emulsion paint that provides a smooth finish with soft sheen using Lumino Technology to the wall. Royale Health Shield is a revolutionary smart coating that kills 99.99% bacteria in 2 hours on painted surface and provides a smart hygienic environment at home. It also provides Anti-Covid performance.

-It Conforms to Egyptian Standard Specification ES 1539/2021

-Designed for application over masonry surfaces, stucco, concrete blocks, fair faced concretes, wood, and gypsum boards after suitable priming.

-Environmentally friendly product. Its low VOC and APEO free product (compliant to ASTM D4252-89/2017 and USEPA 24)

PRODUCT FEATURES

-Germ Killing Efficacy: Royale Health Shield kills 99% of infection causing bacteria on painted surface within 2 hours of exposure. It reduces the possibility of respiratory infection and skin sensitization. Advanced Nano Silver ion technology also enables Royale Health Shield to attribute Anti-Covid performance on coated wall.

-5 Years Performance Assurance: Royale Health Shield preserves the wall film integrity and shade fidelity. It gives a uniform finish with no adhesion failure.

-Wash ability: Special binder with silicone additive attribute best in the class wash ability.

-Soft Sheen Smooth finish: The special acrylic emulsion and the bright color pigments with Lumino technology ensure a very smooth and soft sheen finish, through covering and bright appearance of the applied paint.

-Green Assurance: Royale Health Shield offers low odor and low VOC criteria – Green life criteria. It does not contain any hazardous raw material.

-Crack Bridging: It offers crack bridging ability 1 mm at 70 μ DFT

VOC (gm/Ltr.) [USEPA 24]	< 1 (g/l) according to EU regulation
Diluents / Thinner	Water
Pull off Adhesion (ASTM D4541-17)	2.91 N/mm ²
Crack Bridging Ability (BS EN 1062-7:2004)	1.1 mm (70 μ), 1.5 mm (100 μ)
Wash ability / wet scrub resistance (DIN 53778)	Over 50000 strokes or 25000 cycles
Stain Resistance (ISO:11998:2006)	31.2 g/mm ²
Antibacterial Activity (ISO 22196:2011)	> 99.99% Lethality in bacteria killing in 2 hours' time
Resistance to Growth of Mold (ASTM D 3273)	Completely resistance to fungal growth (0 defacement observed after 4 weeks of exposure)
Drying time at 25 C & relative humidity 50%	Touch dry: 30 min. Recoat: 2-4 hours. Hard dry: 24 hours.
Recommended dry film thickness (DFT)	40 – 50 μ per coat

INSTRUCTIONS FOR USE

1-Surface preparation:

-Surface must be clean, free from oil, grease, dirt, chalk, loose paint & any other foreign materials.

-Old painted surfaces should be cleaned first from all loose paint and other contaminants that can affect adhesion.

2-Recommended application system:

-Use sealcoat primer (for chalky or fresh surface) or Smartcare Dampsheath Sealer (if waterproofing is required) to increase spreading rate & adhesion as a primer coat prior to application of putty.

-Use Acryputty Plus or Unoshield putty for smoothening & leveling the surface.

-Apply 1 coat of Acrycoat HD matt over putty surface to absorb the surface irregularity.

-Mix Royale Health Shield thoroughly to uniform consistency before use.

-First coat to be diluted with 10-15% water.

-Second coat to be diluted with 5% - 10% water.

-Wait 4 hours between each coat for complete drying.

REMARKS

-Alternative systems may be specified, depending on area of use.

-Please refer to technical office for application advice.

Properties	Finish	Soft Sheen smooth emulsion
Test certified by WIMPI Laboratories LLC (IAS Accredited)	Color	Available in white & colors, can be tinted using SCIB computer tinting system.
	Density at 25°C	1.37 \pm 0.02 Kg/Ltr (White)
	Volume Solid (ISO 3233-2)	50.3 \pm 2

Our Recommendations are based on extensive research as well as practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice. Please note that this data sheet supersedes any previous prints. For any additional information, please consult our technical office. December 2022.

ROYALE HEALTH SHIELD
PAGE1OF2

APPLICATION TOOLS:



PACKAGING

-Refer to company price list or contact the local representative.

STORAGE & SHELF LIFE:

-36 months in original tightly closed containers away from direct sunlight & excessive heat.

THEORETICAL COVERAGE

-12 – 15m² / Ltr. at 40 – 50 microns DFT. Practical coverage varies depending on surface porosity, application method, DFT & losses.

Our Recommendations are based on extensive research as well as practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice. Please note that this data sheet supersedes any previous prints. For any additional information, please consult our technical office.
December 2022.

ROYALE HEALTH SHIELD
PAGE2OF2