

Technical Data Architecture Coatings

Royale Atmos Healthshield

Product Description

Royale ATMOS HEALTHSHIELD is a revolutionary paint with activated carbon technology that improves indoor air quality by actively absorbing selected household odours. New age technology used in the paint neutralises formaldehyde (a pollutant released into indoor environments from sources like glue, wood finishes, cooking gas, cigarette smoke, upholstery, etc.) Also it is designed with silver ion technology which kills 99% of infection-causing bacteria on the painted surface. Hence Royale ATMOS HEALTHSHIELD shows excellent resistance to microbial growth, when tested for antimicrobial activity thereby providing more hygienic environment at home. Added to it, Royal ATMOS HEALTHSHIELD has been certified for very good surface flame spread resistance which passes class A as per ASTM E84. It is a premium product formulated using pure acrylic polymer and contains titanium dioxide with other high grade light fast alkali resisting pigments. Also this product has very low VOC that makes it environment friendly with excellent indoor air quality performance.

Product Benefits

- Neutralises Formaldehyde
- Absorbs malodours
- Release Fragrance
- Germ Killing Action
- Best in class Finish

Recommended Areas of Application

Area of Use: Interior
Substrate: Concrete, Plaster, Masonry, Gypsum.
Volume Solids%: 44 ± 2%

Technical Data

Finish: Smooth Finish
Colours : White and range of colours

Theoretical Covering Capacity

| Recommended Dry Film Thickness per Coat | Theoretical Spread Rate | |
|---|-------------------------|--------------------------|
| Area of Use | 25 microns | 17.6 m ² /ltr |
| Maximum | 40 microns | 11.0 m ² /ltr |
| Typical | 30 microns | 14.7 m ² /ltr |

Practical Covering Capacity

For estimation of practical covering capacity, following factors to be taken into account: surface profile, uneven application, over spray, losses in container and equipment etc.

| Drying time | Substrate Temp. | Touch Dry | Over Coating Interval | |
|-------------|-----------------|-----------|-----------------------|------------|
| | | | Minimum | Maximum |
| | 25 °c | 2 hours | 6 hours | Indefinite |
| | 35 °c | 1 hour | 4 hours | |
| | 45 °c | 1½ hours | 3 hours | |

Application Data

Method of application: Brush, roller or airless spray application

Thinner: Sweet water

Thinning ratio (by vol.): Use 10 - 25% sweet water for ease of application depending on

Surface Preparation

The performance of this coating is directly related to the degree of surface preparation.

- Ensure surface is clean, dry and free from all contaminants.
- Surface must be sound and free from laitance.
- Remove laitance by wire brush or sweep blast.

Note: If there is fungal growth already on surface, it should be treated with Bison Fungicidal Solution.

Application Details

- Ensure adequate ventilation during application and drying.
- Do not apply when humidity exceeds 85% and condensation is likely.
- Surface temperature should be 3°C or more above dew point.
- Stir the contents thoroughly before and during use, with a broad flat stirrer, using an upward lifting action.

Brush or Roller: Apply an even coat taking care to avoid runs and sags. Minimum two coats recommended.

Conventional Spray: Use normal spray equipment

Typical Paint System

1 coat x AR Primer / PVA Primer / As recommended

2 coats x Stucco / As recommended (If Required)

1 coat x AR Primer / PVA Primer / As recommended

2 coats x Royale ATMOS HEALTHSHIELD

For alternate system suggestion please contact Asian Paints Berger Sales Representative

Storage, Safety Information and Precautions

- Keep out of reach of children.
- Store in cool, dry conditions; ensure adequate ventilation during application.
- Avoid contact with skin and eyes; wear suitable protective clothing such as overalls, goggles, dust masks and gloves.
- Shelf life up to 24 months is from the date of manufacture.
- Refer MSDS for detailed safety procedure.

First-Aid

- Eyes: In the event of accidental splashes, flush eyes immediately with warm water and obtain medical advice.
- Skin: Wash skin thoroughly with soap and water, or with an approved industrial cleaner. Do not use solvents.
- Inhalation: Move patient to fresh air, loosen collar and keep patient rested.
- Ingestion: Do not induce vomiting. Obtain immediate medical attention.
- Refer MSDS for detailed safety & Disposal procedure.

Disclaimer

The information provided in this data sheet is not intended to be complete. It is the responsibility of the user to ensure that the product used is suitable for the purpose it is meant to serve. In view of various factors affecting the performance of the coating, we cannot assume responsibility for the product performance, nor do we accept any liability arising from use of this product, unless specifically agreed to in writing by us. The information provided in the datasheet may be modified by us without notice.

This Technical Data Sheet supersedes those previously issued with immediate effect