

Technical Data Sheet

Atmosphere Trim & Door – Low Sheen

Product Description: **Atmosphere Trim & Door** is a Low VOC coating system developed using a graphene hybrid polymer to provide strength, flexibility, and durability. Suitable for timber, MDF, plaster, masonry, brick, and other suitable substrates where excellent durability is required.

Atmosphere Trim & Door Features:

- Low VOC and no harmful emissions
- Odourless
- Excellent strength & flexibility
- Very good washability
- Low Sheen Finish
- Improved UV light resistance

Safety Precautions: Observe all Occupation Health and Safety (OH&S) precautions. Refer to the relevant Safety Data Sheets (SDS) for product safety related information. For further information and support: **Nutech Paint 03 9770 3000**
www.nutechpaint.com.au

Usage warnings:

- Alkaline product - protect skin and eyes.
- Apply with good ventilation, do not inhale product.
- Keep out of reach of children.

Provisions: **Product is supplied as Ready for Use (RFU).** Where required, refer to the mixing/thinning instructions of this TDS and observe storage and handling conditions.

Chemical Type: Water based graphene and acrylic hybrid emulsion

Product Attributes: pH: 9.5 ±1
 Total Volatile Organic Compounds (TVOC): < 2%
 Emission rating: Exceeds GBCA Green Star IEQ13 compliance
 Washability (EN 13300): Class 1
 Capillary water absorption w < 0.01 kg/m²·h_{0,5}
 Fire performance B-s1, d0
 Solubility: In Water
 Minimum Film Forming Temperature: 10°C

*** Tested in accordance with ISO16000**

Typical Applications: Domestic & Multi Density Residential, Industrial and Commercial uses where Green Building and Passive House criteria is required.

Substrate Recommendations: **Atmosphere Trim & Door** is suitable for plaster, timber, masonry, brick, and other similar building substrates.

Coverage / Spread Rate: **12m²/L** (Per coat).
 Note: Coverage will depend on the porosity and roughness of the surface.



Test Patch:	Conduct a small test patch in an inconspicuous area to ensure adequate product performance, substrate porosity and provide an indication of the time required to complete project.
Packaging:	1L, 5L
Storage:	Cool, dry location. Keep from freezing and avoid contact with direct sunlight and heat.
Shelf life:	Stored 24 months @ 25°C Product may thicken without losing properties.
Colour:	Available in full strength Pure White, Pastel, Mid, Deep & Extra Deep bases
Mixing/ Thinning:	Atmosphere Trim & Door is supplied Ready for Use (RFU). If dilution is required observe the following: Maximum dilution: 10% by volume - clean fresh water. Prior to Commencement: Stir thoroughly prior to use.
Application:	Brush Roller Airless Spray
Drying Time	Note: Dry times based on ambient conditions @ 25°C and 50% relative humidity. Dry times will be increased in lower temperatures or higher humidity.
Touch Dry:	20 Minutes
Recoat:	2 Hours
Total Cure:	48 Hours *Drying times may vary in cooler or high humidity.



SUBSTRATE CONSIDERATIONS:

Conditions of the substrate: The substrate must be dry, firm, well-adhered and free from any impurities that may hinder the product from setting fully.

Do not apply to surfaces in constant contact with water.

Mineral based substrates - New Concrete and Render; Allow a minimum 28 days prior to coating.

Preparation of the substrate: If the substrate presents algae, mould, fungi and / or other impurities, it is recommended to thoroughly clean with specific products for this purpose.

Substrates Note: Must be resistant to high alkalinity.

High moisture level substrates: 24 hours before topcoat application, apply Ambient Pro – StopWater.

Blistered, and flaking paint: Remove all damaged and loose paint from the surface.
Fill any irregularities and sand smooth in accordance with the appropriate filler recommendations.

Surface cracks: the recommendation depends on the width of the crack:

1-3 mm Apply filler (with a fiberglass mesh if >1 mm).

3-10 mm V groove and apply filler with mesh.

>10 mm Requires architectural assessment.

Deteriorated render: Remove all damaged and loose render from the surface.

Repair rendered areas as required.

If the substrate presents structural cracks, moisture by capillarity, condensation, or filtration, etc.; it is necessary to resolve the structural problems first. Architectural and Engineering advice should be sought prior to commencement of works.

PREPARATION:

- **Old paint:** Lightly sand (P220 Grit or scourer pad)
- **Absorbent substrates:** (Ensure surface is clean and free from contaminants)
- **Timber:** Lightly sand (P220 Grit or scourer pad) and clean surfaces

CLEAN:

- Remove residual dust with a clean damp cloth and allow surface to dry thoroughly.

UNDERCOAT:

- Apply 1 coat **Ecosphere Carbon Lock Primer**
- Lightly sand (P220 Grit or scourer pad) prior to topcoat.

Masking: Mask off or apply drop sheets to all areas not to be coated, to ensure no spatter or overspray.

If masking is required on freshly painted surfaces, allow first coat to dry for minimum 36 hours

APPLICATION INSTRUCTIONS:

Ambient Conditions:

The work temperature must be between 12°C and 32°C. Do not apply in direct sunlight.

Exterior - In case of rain: Allow substrate dry for at least 48 hours prior to coating.

Protection from the elements: Protect the coated surface from rain for at least 4 days.

Brush Roller Application:

- Paint in sections (wall by wall) starting with cutting in edges and borders
- Do not overload brushes and rollers
- Apply evenly 2 – 3 coats observing recoat and dry times.
- Do not paint on areas that are drying, avoid overlapping.

Note: Avoid Excessive build

Airless application: Spray angle: 30°

Spray distance: 50-60 cm

Tip size: 0.027 in.

Minimum machine power: 1750 W Machine

filter: 30-40 mesh

Apply 2 – 3 coats in an even and consistent manner.

For a smooth even consistent finish, once completely dry,

Atmosphere Trim & Door can be lightly sanded with P220 – P300 grit sandpaper and recoated observing application, drying and recoat times.

Do not inter-mix with any other products as specific properties may change.

Clean Up: Protecting Our Environment is important to Nutech Paint:
 Clean up with clean warm water. Do not pour leftover paint down drains or in rubbish bins. Unwanted paint should be kept in a sealed container and then disposed of via special waste collection services.
 Empty paint containers should be left open in a well-ventilated area to dry out. Dispose of empty paint containers in accordance with local authority's guidelines. Always check with your local council first.

First Aid: **SEEK IMMEDIATE MEDICAL ATTENTION.** Refer to the appropriate *Nutech Safety Data Sheet* (SDS) for further information. For medical emergencies only, call: 000

- In case of eye contact, flush thoroughly with water for at least 15 minutes
- In case of skin contact, wash affected areas with soap and water
- Remove and wash contaminated clothing
- If inhalation causes physical discomfort, remove to fresh air
- If discomfort persists, any breathing difficulty occurs or if swallowed, seek medical advice

Warranty Nutech warrants its products to be free from defects in material and workmanship. Nutech's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Nutech's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products.
 Any claim under this Warranty must be made by Buyer to Nutech in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Nutech of such non-conformance as required herein shall bar Buyer from recovery under this Warranty.
 Nutech makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Nutech be liable for consequential or incidental damages.
 Any recommendation or suggestion relating to the use of the products made by Nutech, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability Nutech's liability on any claim of any kind, including claims based upon Nutech's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. In no event shall Nutech be liable for consequential or incidental damages.

Disclaimer The information given on this data sheet is based on many years' experience and is correct to the best of our knowledge. However, since the use of our product, surface conditions, weather and several other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information, please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.'

The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.



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 For a perfect finish!

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