

## Thermal Guard (Interior)

Thermal insulating paint for interior walls & masonry.

### Description

**Thermal Guard Interior** is a high-quality acrylic paint with thermal protection properties ideal for interior use. The thermal protective particles block heat transfer, reflect thermal radiation, and create a moisture barrier, resulting in significant energy savings during winter and summer. Therefore, **Thermal Guard Interior** offers excellent coverage, strong adhesion, elasticity, antifungal action, significant thermal conductivity reduction and water repellency. It is an ideal solution for preventing mold growth, as it prevents thermal bridges and minimizes moisture condensation on the cold surfaces of the walls.

### Recommended Use

Ideal for any interior surface in hospitality, commercial spaces, industrial spaces, and residential spaces due to its high washability and scrub resistance. **Thermal Guard Interior** is also suitable for every kind of new or old surface such as concrete, plaster, drywall, and wood.

### Key Benefits

- Conserves energy
- Thermal protection
- Prevents thermal bridges
- Protects against mold growth
- High scrub resistance
- High washability
- Extended lifetime
- Low VOC water-based paint
- Easy application
- Excellent opacity and coverage
- Anti-fungal

### Technical Specifications

<b>Form/Type:</b>	Water-based 100% acrylic
<b>Color:</b>	White – can be used as a tinting base for light shades
<b>Density (EN ISO 2811-1) :</b>	1.05 ± 0.05 kg/L
<b>pH:</b>	9.0 ± 0.5
<b>VOC (Volatile Organic Compounds) :</b>	10 g/L
<b>Viscosity (ASTM D562-10) :</b>	110 ± 10 KU
<b>Thinner / Cleaning Solvent:</b>	Water
<b>Application Temperature:</b>	46.4°F - 95°F (8°C - 35°C)
<b>Mixing Ratio (%w/w) :</b>	Up to 10% by volume
<b>Touch Dry Time:</b>	30min @ 68°F (20°C)
<b>Dry Through Time:</b>	1 hour @ 68°F (20°C)
<b>Minimum Recoat Interval</b>	4-6 hours @ 68°F (20°C)

Drying and recoating time may be prolonged under low temperatures and high humidity.

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## International Standards Testing

<b>Thermal Conductivity (EN ISO 12667: 2004)</b>	0.096 W/(mK)
<b>Emittance (ASTM E408-71)</b>	0.91
<b>Thermal performance of building components (ISO 11998:2006)</b>	The paint coating (2 applications) provides thermal insulation
<b>Scrub resistance (ISO 11998:2006)</b>	Class 1

## Surface Preparation

All surfaces should be clean, dry and free from dust, oil, grease and other foreign matters or contamination.

## Application

Stir well before application. Do not dilute for bridging gaps and hairline cracks of up to 0.5 mm. For cracks larger than 1mm, fill the gap with a suitable putty. If thinning is required add up to 10% water by volume.

Application temperature should be between 46.4°F - 95°F (8°C - 35°C). Apply 2-3 even coats using a good quality brush, roller or by spraying with a tip of a diameter 1.4mm or more. Do not overbrush. Ensure corners and edges are adequately covered. Additional coats should be applied 4-6 hours after the previous application.

New substrates from cement or masonry: Allow new surfaces to cure for more than 3-4 weeks before primer application.

For better results apply Armus Universal Primer as base coat.

Cleaning of tools: All tools and equipment should be cleaned immediately after use with water.

## Consumption

Estimated consumption rate: 400 – 500 sq. ft. per gallon

## Storage

Store only in the original container. Store the containers sealed, in a cool and well-ventilated place. Keep away from direct sunlight. Keep far away from sources of heat, open flame and sparks and other sources of ignition. Keep containers away from any incompatible materials.

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### Available Packaging

- 0.8 gal (1L) Paint can
- 2.5 gal (10L) Plastic can

- **Notes & Precautions:** Adverse weather conditions during or after the product application may affect the properties of the coating. Store closed containers, in controlled dry and enclosed space, away from sources of ignition and temperatures from 41°F to 95°F (5°C to 35°C), for up to 18 months.
- The Technical Data Sheet should be read in conjunction with the Safety Data Sheet. The current edition of this technical data sheet automatically cancels any previous one concerning the same product. For more information, please contact Armus: [info@armussolutions.com](mailto:info@armussolutions.com)
- The Technical Data Sheets and the recommendations for using Armus products are based on our scientific knowledge, laboratory studies, and long-term experience. Therefore, the information provided must be considered indicative and subject to constant review in relation to the circumstances and each practical application. Furthermore, the product's suitability should be examined in each case for each specific use.
- The end-user bears complete & exclusive responsibility for any side effects that may arise from the incorrect use or storage of the aforementioned product.



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