

Energy Locking Nano Technology

aerogel uk ltd

The Future of Energy Conservation

200 Brook Drive, Green Park

Reading, Berkshire, RG2 6UB



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Technical Data Sheet

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Aerogel UK Coating

AeroMirum[®]
textured



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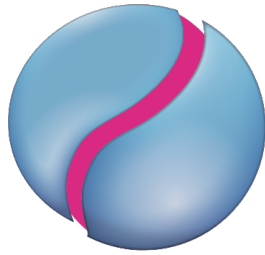
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Product Description

AeroMirum Textured liquid insulation is the best in its class - providing superior performance against other liquid insulation products on the market today. It has excellent adhesion to most surfaces and cures at room temperature leaving a highly durable and resilient finish.

It improves efficiency and reduces energy costs with a low thermal conductivity (λ) of only 0.032 w/m/k. It provides personal protection to the ASTM 1057 skin touch test.

Technical Data

Volume Solids – 80%

Colour – White / Light Grey

Specific Gravity – Approximately 0.4 Kg/L

Thermal Conductivity (λ) – 0.032 w/m/k

Dry Temperature Resistance – 180 Celsius Continuous / 204 Celsius Maximum Short Term

Packaging – 25 litre Steel Pails

Solvent – Water

Mixing – AeroMirum Textured is a single component coating. The coating needs to be stirred with a mixing paddle on slow speed in reverse mode

Finish – Eggshell (Textured)

VOC - <5 grams per litre

Number of coats – Unlimited

Practical Spreading Rate – Dependant upon method of application, application conditions and operator experience

Drying @ 20 Celsius and 65% relative humidity – skin formation approximately 40 minutes

Maximum Thickness – 30mm without re-enforcement

Water Vapour Transmission Rate – Approximately 25gm²d

SD- Value (diffusion equivalent air layer thickness) – approximately 0.76

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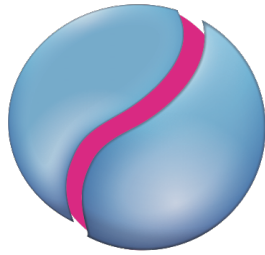
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Application Data

Surface temperature must be a minimum of 3° above the dew point. Do not apply to substrates at temperatures below 10°C. When applying to hot steel up to 150°C, multiple passes may be required.

Application Equipment

Double Diaphragm pumps are ideal for delivering material to the spray gun. The material feed hose should have a three quarter inch (3/4") diameter minimum ID. Recommended spray gun is the Graco Texture Model 248094 with fine finish kit or equivalent. Other spray equipment may not be suitable

Hopper-fed hand held texture spray equipment is suitable for small projects and touch up.

A trowel can be used to repair small areas that may have been damaged.

Pot Life

Mix only 1 container at a time, just before the material is to be applied. Maximum working time per container is thirty minutes. If less than 1 container is needed for a project, pour out the required amount after mixing and then immediately re-seal the original container.

Clean Up

Clean up immediately after use with fresh clean water. Discard clean up material according to local environmental regulations.

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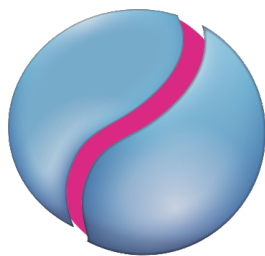
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Precautions

This product is for use by professional applicators in accordance with information in this Technical Data Sheet and the Material Safety Data Sheet (MSDS). Refer to this product's MSDS before using this material.

Material Storage

Store all coating materials in a dry place as close to room temperature as possible. Ideal storage temperature should be between 15°C to 27°C. Keep cans sealed and out of direct sun light when not in use. Warm up cold material to room temperature before using. Do not allow coating to freeze.

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