

# Technical Information Sheet

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## NUTSHELL Nano Emulsion

Revision: 1.3 2010-04-22

<b>Product</b>	<p>This water based Thermal Insulating Wall Emulsion using Surfapore ThermoDry Nano Technology, is used to insulate walls from heat transfer [up to 4 times, on average as tested by Independent Certification Agencies] This leads to reduced heat loss, making rooms warmer, reducing heating costs, or cooler, reducing cooling costs, whilst inhibiting condensation and the growth of bacteria and mould.</p> <p>It will increase the energy efficiency of your building and help to cut your carbon footprint. It also has water repellent properties.</p> <p>Available in a range of colours or it can be over coated with any NUTSHELL Emulsion and even papered over using NUTSHELL Wallpaper Paste.</p> <p>It has the added benefit of also being washable.</p>
<b>Ingredients</b>	<p>Contains: Titanium Dioxide, chalk, talc, cellulose, beeswax, phosphate, sodium hydroxide and an inert in-can preservative, plus Thermal Nano-Technology.</p>
<b>Coverage</b>	<p>Theoretical coverage of 8 - 10 m<sup>2</sup> per litre. Practical coverage can vary considerably depending on method of application, surface roughness, weather conditions and complexity of structure.</p>
<b>Areas of use</b>	<p>For interior use on walls and ceilings</p>
<b>Size</b>	<p>Available in 2.5 litre and 5 litre tins.</p>
<b>Preparation</b>	<p>All surfaces should be clean, free from grease, oil and dust. Thoroughly remove water-soluble chalk, paint or limewashes. Roughen old lacquer, vinyl silk, gloss and oil paints by light sanding. All loose and flaking paints must be removed. Very sandy or friable surfaces will require a compatible sealer (for example NUTSHELL Herb &amp; Resin Oil).</p> <p>Any areas of algae or fungal growth should be treated with an acceptable fungicidal wash.</p>
<b>Application</b>	<p>NUTSHELL Nano Emulsion should be applied by synthetic brush or short pile roller. Apply evenly. One application should be sufficient to cover - however on very porous surfaces, two coats are recommended.</p>
<b>Drying Time</b>	<p>Touch dry 1-2 Hours. Recoatable in 4-6 hours. Drying and recoat times will be shortened by higher temperatures and lengthened by lower temperatures.</p>
<b>Thinning &amp; Cleaning</b>	<p>Wash all tools and containers with water immediately after use.</p>

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### Storage & Handling

Store in a cool, but definitely frost free place, in a well closed container. Always keep container closed and out of reach of children. NUTSHELL products are biodegradable, but PLEASE do not pour the remainder down the drain.

Shelf life is two years.  
VOC Level Minimal

Boiling Point, Flash and Auto-Ignition Point: > 100°C

### Safety

- As with all paints store well away from children and pets.
- Avoid skin and eye contact. Wash eyes immediately with plenty of water if contact should occur.
- Ensure good ventilation.
- Close lid firmly after use.
- Store and use away from heat and flame.
- Do not eat in the vicinity of work.
- Wash hands after use.

The information given in this Technical Information Sheet and any technical advice - whether verbal, in writing or by way of trials - is for guidance and is given in good faith but without warranty, since skill of application and site conditions are beyond our control. For further information please contact Nutshell Paints at the address shown above. We can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. This does not affect your statutory rights.