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## ECO-PAINT: NUTSHELL CASEIN EMULSION

Ingredients: water, earth pigments, chalk, titanium dioxide, talcum, castor oil, soya oil, plant resins, casein\*, cellulose, potash, soya lecithin, and food grade preservative. It contains no formaldehyde, petrochemicals or VOCs.

\*Casein is a natural derivative of milk, used here as a binder.

### PRODUCT DESCRIPTION

This is a water based, white emulsion paint for interior use on concrete, plaster, plasterboard, mineral surfaces and wood. It is easy to work with, and allows for splatter free application. The finish is white, breathable and matt. It is best used with NUTSHELL Earth & Mineral Pigments. (For a white finish we recommend the use of NUTS Eco Emulsion).

### AREAS OF USE

Suitable for use indoors on concrete, plaster, plasterboard, all mineral surfaces, wood, wood chip paper, wallpaper etc. Vinyl silks may be painted with NUTSHELL Casein Emulsion after sanding to give a key. The paint adheres best to slightly absorbent surfaces.

### COVERAGE

Theoretically: 8m<sup>2</sup>/litre. Practically coverage can vary considerably depending on method of application, surface roughness, weather conditions and complexity of structure.

### SIZES

5 litre tubs.

### PREPARATION

All surfaces should be clean, free from grease, oil and dust. Thoroughly remove water-soluble chalk, paint or lime washes. 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 & Resin Oil). Remove old residues of paste or glue. Any areas of algae or fungal growth should be treated with an acceptable fungicidal wash.

### COLOURING

NUTSHELL Casein Emulsion can be tinted with our many different Earth & Mineral Pigments. To mix: stir the pigment powder with a little water to form a smooth, lump free paste, cover and leave to soak, preferably overnight. Add this paste to the paint and mix thoroughly. Attention has to be paid to an even application of the paint when it has been tinted with intense colours like Iron Oxide Red, Ultramarine Blue and Green. Always mix slowly and test the colour, ideally on the surface to be painted. Due to the translucent nature of casein, it is easy to achieve a natural, rustic, irregular look. IMPORTANT: For best results always use Nutshell Earth & Mineral Pigments.

### APPLICATION

Apply with a brush, roller or painting pad. Prime absorbent surfaces such as new plaster with a coat of emulsion thinned with 10% water. Always allow each coat to dry thoroughly (at least 12 hours) before applying the next one and before deciding whether another coat is necessary. On very porous, friable surfaces a compatible sealer will be required (for example NUTSHELL Herb & Resin Oil). Do not apply below 12°C

### DRYING TIME

24 hours. Drying should not be speeded up by extra heating.

### THINNING & CLEANING

Thin with water. Clean tools with soap and water immediately after use.

### 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 Casein Emulsion is biodegradable, but PLEASE do not pour the remainder down the drain.

Flash point: Non flammable

Product Density: 1.33 kg/litre

Shelf Life: 9 months in unopened containers in a cool, frost free store.

### SAFETY PRECAUTIONS

A copy of the appropriate Health and Safety Data Sheet must be consulted prior to using the product. These can be faxed if urgently required.

Minimum precautions:

1. Avoid skin and eye contact
2. Ensure good ventilation.
3. Store and use away from heat and flame.
4. Do not eat in vicinity of work.
5. Wash hands before eating