

# Natural Paint

## flat finish data sheet

Location = Interior

Natural Flat is a natural, breathable water based interior paint, formulated without petrochemicals.

### Technical Features

Matt opaque paint for interior walls and ceilings. Natural Flat shows good film integrity and adhesion preventing peeling. We recommend colouring with Murobond Natural Earth Pigments, although universal colourants may be used.

### Suitability

Interior render, plaster, plasterboard and over old synthetic (acrylic, vinyl, oil-based) paints after priming. (Murobond Primer is advised). Natural Flat has about the same finish as flat acrylic paint.

### Application

Roller, brush, spray. Clean up in water.

### Coverage

6–8m<sup>2</sup> per litre per coat average.

### Pack sizes

Sample, 1, 4, 10, 15 Litre

Colours: White, coloured to colour card.

Manufacture date: On packaging

### Storage

The product keeps for at least twelve months from date of Manufacture

Storage: keep in the original unopened tin, between 2°C. and 30°C. We suggest shaking the tin every 6 months.

### Ingredients

Fresh milk, casein, egg white, vinegar, calcium carbonate, titanium dioxide, talc, marble powder, borax, linseed oil, methylcellulose, glycerine, sodium silicate, alum, essential oils (thyme, pine-tree, mint).

### Biological-Environmental Features

The product uses only renewable raw materials.

The components can be recycled and are bio-degradable.

No petrochemicals or heavy metals.

### Physical-Chemical Features

Appearance: half-creamy paste, white colour.

PH: approx 10.

Breathable paint :  $\mu < 17.0$  according to international standard ASTM, (over lime based plaster with  $\mu = 10.6$ ).

### Safety Information

This product is not classified as hazardous

Danger symbols: none.

Risk phrases (R): none.

Precautions (s): none.

## **VOC**

VOC: 1.26 % – 17.88 g/litre of product

## **Suitable Substrates**

Murobond Natural Flat is suitable for new lime based plasters, cement renders, plasterboard and on old synthetic paints in sound condition.

For previously painted surfaces, apply Murobond Primer before applying Murobond Natural Flat.

If in doubt about the surface call Murobond Technical on 1800 199 299

## **Preparation**

Surface must be dry. Murobond Natural Flat may be applied directly to render or plaster surfaces. On plasterboard and over filling it is advisable to apply one coat of Murobond Natural Primer, to reduce the difference in porosity of the joints. On old synthetic paint apply Murobond Primer after industry standard preparation.

## **Application**

Mix well before use. Surface and air temperature during application must be above 5° C and below 35°C.

Apply with brush or roller, diluting the product with up to 10% water, this is acceptable in hot weather and over absorbent surfaces. Typically two coats are required. Allow 4 – 8 hours between coats. Ensure each coat is fully dry before applying subsequent coats.

## **Appearance**

The finish for pale colours is a consistent flat finish, however some shading may appear in medium-strong colours. Natural Flat has approximately the same finish as flat acrylic paint.

## **Troubleshooting**

Murobond Natural Paint is quite different to petrochemical or other synthetic paints. The following guide aids correct application delivering consistent results:

1) Shiny spots: (a) temperature too low.

SOLUTION: apply another coat at correct temperature.

2) The paint does not adhere: (a) a synthetic undercoat has been used before; or (b) not dusting down adequately; or (c) the existing paint was oil-based enamel or oily.

SOLUTION: Remove the Murobond Natural paint, then prepare correctly before re-applying.

3) Flaking: (a) the old paint is not properly adhering; or (b) the old paint is chalky or oily.

SOLUTION: Remove the Murobond Natural paint, then prepare correctly before re-applying.

4) The paint does not cover well: (a) too much water in diluting; (b) the substrate is non porous.

SOLUTION: apply another coat, diluted correctly.

5) The paint is powdery: (a) the paint is not completely crystallized (it needs about 4 weeks); or (b) too much water in diluting; (c) not dusting down adequately before application.

SOLUTION: apply another coat, diluted correctly.

6) The paint shows small bubbles: (a) the paint has been too diluted and applied on a non porous substrate.

SOLUTION: apply another coat, diluted correctly and apply with a criss-crossing movement of the brush.

7) Persistent strong smells: (a) incorrect storage conditions (typically too hot) and/or the paint is too old (ie the paint is off); or (b) the application environment is too humid and without ventilation.

SOLUTION: if (a) remove the Murobond Natural paint and repaint. If (b) improve ventilation and allow a few days to a week to dry fully. If odour persists treat with a clear mould treatment by brush.