

1-110 Product Data Sheet

Volvox Casein Paint



1. Use

Volvox Casein Paint is a wipe-resistant wall paint in powder form for interior use. It is suitable as a decorative coating for plaster, clay (may cause hair-line cracks), wood, sandlime-brick, gypsum board, wallpapers etc.

2. Product Codes

4kg	1.1102
15kg	1.1103
25kg	1.1104

3. Coverage

0.1-0.15 kg per sq m; 7-9 sq m per kg.

4. Colour

White

5. Thinner

Water

6. Drying Time

Can be painted over after 3-6 hours dependent on room temperature & humidity. Dry after about 24 hours. Fully cured after approx 7 days

7. Properties

Volvox Casein Paint is breathable and helps regulate humidity. With good covering & colouring properties, in powder form it has a shelf life of approx 2 years when stored cool & dry. When mixed with water it should be used immediately. It is free from titanium dioxide, preservatives & solvents.

8. Instructions for Use

8.1. Preparation

Previous coats of water-soluble glue-bound distempers or lime paints should be removed. Any holes or uneven surfaces should be filled & levelled off with Volvox Casein Filler. Ensure this is dry prior to applying the Casein Paint.

Note: Acidic surfaces and water, carbon black or nicotine stains should be treated with Volvox Isolating Primer. Casein Paint is very water-soluble but mixing is more effective with an electric drill with a mixer attachment. Put the required amount of casein paint powder into a bucket. Gradually add water, stirring continuously, until a viscous consistency is reached. Use ca. 0.7 litre of water per kg of paint powder. Leave to thicken for about 30-60 minutes, then slowly add water again to bring the mixture back to a creamy consistency. Use 0.3 litre of water per kg of paint powder & stir vigorously. The paint thickens steadily during the first 24 hours so dilute it from time to time by adding a little more water.

8.2. Application

Apply the paint thinly & vigorously with a roller or large brush, spreading evenly in all directions. Two thin coats produce the best results. Thick coats may form shiny spots. The covering power is achieved when the paint is fully dry.

Note: If shiny spots occur apply a thin coat of paint.

One coat is normally sufficient but on very absorbent surfaces e.g. fresh plaster, chalky sandstone, clay apply several diluted coats (adding 25% water) before the final top coat. Allow each coat to dry completely. On clay surfaces slight cracks might appear during the drying process, in which case paint the whole surface again. Repeat if necessary.

8.3. Colouring

Volvox Casein Paint can be coloured with earthBorn pigments. Soak the pigments in water for several hours according to their make-up instructions. Add the soaked & well-stirred pigments to the ready-mixed wall paint and stir carefully but thoroughly. Very intense shades (e.g. Ultramarine Blue, Ultramarine Violet, Red Oxide) may become streaky so ensure an even application. To achieve fuller tone colours mix Volvox Casein paint (two parts) with earthBorn Pigment (one part) and add the water. Note in this case abrasion resistance is reduced. Volvox Casein paint can be used as a base for various glazing techniques using earthBorn Pigments & earthBorn Wall Glaze.

Note: Do not stir oil-based tints into Volvox Casein Paint!

9. Tools

Roller, various brushes, spray gun, scraper. Clean tools immediately after use with water.

10. Storage

Store in a cool dry and frost-free place. Unopened containers are stable for at least 2 years. Keep containers sealed and stored in a cool but frost-free place

11. Ingredients

Casein, white lime, chalk, clay, china clay, celluloses, calcspar, talcum (asbestos-free), sodium phosphate (water softening salt), earth pigment.

12. Safety

S2: Keep out of the reach of children. Harmful by inhalation and in contact with skin. Irritating to eyes & respiratory system.

13. Disposal

Allow unused paint to dry and dispose of safely according to local authority disposal guidelines.

The user is recommended to test the product on the intended surface to ensure its suitability