

Construction Resources



HOLZWEG TECHNICAL SHEET H3

EXTERNAL MINERAL MASONRY PAINT

(In conjunction with Holzweg Silicate Primer)

Uses *Holzweg External Mineral Masonry Paint*, together with *Holzweg Silicate Primer*, is designed for use on all unpainted exterior surfaces such, stone, concrete, render and other mineral surfaces.

Properties *Holzweg Exterior Mineral Masonry Paint* is a silicate-based paint that chemically bonds with the substrate producing long-lasting coatings. Its natural make-up allows surfaces to breathe allowing trapped moisture to escape instead of harming the paint film and subsequently the building. It contains a high proportion of solid material resulting in excellent obliteration. Based on natural minerals and resins.

Colours Available in a base mixture of brilliant white. For coloured masonry paint tint with one or more of the 36 *Holzweg Natural Earth & Mineral Pigments*.

N.B. *Holzweg Silicate Primer* should be used when mixing pigments into the emulsion, not water.

Containers Supplied in 10 litre containers.

Coverage: Approximately 7 m² per litre.

Preparation Surfaces should be clean, dry, dust and grease free. Loose particles of old paint etc. should be removed with a brush or scraper. Prime the clean mineral surface fully with one coat of *Holzweg Silicate Primer* and allow 24 hours to dry (see Technical Sheet H4).

Important: Silicate based paints have poor adhesion to existing acrylic finishes and their use over surfaces previously painted with acrylics is therefore not recommended.

Colour mixing A wide range of colours can be obtained by adding *Holzweg Natural Pigments* to the masonry paint. Add the required amount of pigment to a suitable container such as an old jam jar. Then add just enough *Holzweg Silicate Primer* to make a pigment solution and shake well; allow to soak in the silicate primer for at least 5 minutes. Shake again and add the pigment in solution to the masonry paint and stir in thoroughly. With high-intensity colour tones such as ultramarine blue, or iron oxide red the paint must be applied in particularly even coats. 1 kg of pigment is the maximum that can be added to 10 litres of the emulsion.

Application The air temperature should be above 6 °C. The paint should be stirred well before use. Apply with either a brush or roller, in a thin, even coat. *Holzweg Silicate Primer* may be added to the first coat of mineral paint to reduce suction on porous surfaces. Spread it evenly in all directions. Thick coats should be avoided. On light-coloured surfaces one coat is normally enough. On very absorbent surfaces it is advisable to apply a diluted coat first for saturation, before applying the normal final coat. Each coat must be allowed to dry completely before the next

one is applied. **The paint must be protected from water e.g. rain during the drying period to allow the crystals to form.**

If the masonry paint should require thinning, this must be done with *Holzweg Silicate Primer* not water and only to a maximum of 10%.

Use warm soapy water for cleaning brushes and tools.

Drying times Leave the *Silicate Primer* 24 hours before applying the paint. The *Mineral Masonry Paint* also requires at least 24 hours before repainting, subject to temperature and relative humidity. The surface should be completely dry and washable after about 10 days.

Storage Keep in a dry, cool, frost-free environment. Minimum shelf life for unopened and properly stored containers is 24 months, while paint that has been thinned with water should be used within 1 to 2 days.

Ingredients Water, modified sodium silicate as a waterproofing agent, talcum, chalk, clay, titanium dioxide, ammonium salt, mica, alumina.

Safety *Holzweg Exterior Mineral Masonry Paint* is completely biodegradable, but should never be disposed of down the drain; if possible allow waste paint to dry out before adding to the rubbish.

Risk class None (non-inflammable)

This technical information sheet is intended to provide guidelines for retailers and users. However, the user is responsible for testing the product on the intended surface to make sure that it is suitable for his or her requirements. This sheet was issued on 18 November 2005 and may be superseded by later editions.

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