



Product Specification

Product Name: **PORTER'S MINERAL SILICATE PRIMER**

PRODUCT DESCRIPTION:

Porter's Mineral Silicate Primer is a premium silicate based clear primer, primarily for use to prepare masonry surfaces for the application of Porter's Mineral Paint. Also excellent for use as a penetrative primer for new unpainted interior set plaster, and to bind surfaces on very aged, powdery or chalky lime washes or cement based paints. Can be used either prior to repainting with the same product, or to prime/bind surfaces when moving on to another paint system. When painted onto render, bagging, concrete, bricks, stone or other unpainted masonry surfaces, Mineral Silicate Primer penetrates and chemically reacts with the substrate to "petrify", otherwise known as "silification".

Dries to a natural flat finish. Solvent free, no smell, and is non-combustible.

LOCATION:

Interior or Exterior.

ENVIRONMENTAL INFORMATION:

Mineral Silicate Primer contains: 33.61g/L VOC's (Volatile Organic Compounds contribute to atmospheric pollution.

APAS* Target level for this product: 70g/L.

Although this product is unique and there is no comparative product type, the closest comparison would be a typical oil-based sealer binder that has a VOC level of approx. 350g/L

Porter's Paints use only premium grade raw materials and wherever possible we buy from Australian suppliers. Our manufacturing processes are designed for maximum performance with minimum impact on the environment and user health.

The following descriptors have been adopted by APAS:

Very High	>250 g/L
High	100 – 249 g/L
Moderate	50 – 99 g/L
Low	5 – 49 g/L
Very Low	<5 g/L

* Australian Paint Approval Scheme.

SUGGESTED APPLICATIONS:

Cement render, bagged brickwork, concrete, masonry blocks, bricks, sandstone, off form concrete, tilt up concrete panels and most absorbent building stones. New, unpainted set

plaster. Aged and chalky lime washes and cement paints.

COLOUR:

Mineral Silicate Primer appears milky white in can, dries clear.

LIMITATIONS:

Mineral Silicate Primer is not suitable for use on glazed bricks, glazed tiles, timber, metal, and paperfaced plasterboard. Mineral Silicate Primer will not bond to synthetic compounds such as epoxy or silicone.

Application by spray gun is inadvisable because of the effects of alkaline overspray onto nearby glass, vehicle finishes etc. Ensure all glass, aluminium, metal finishes and vehicles are protected from Porter's Silicate Primer, which, due to the silification bonding process, etches on and can prove extremely difficult to remove.

Do not apply Mineral Silicate Primer over construction or expansion joints.

Do not apply in high humidity, below 10°C or above 30°C.

PREPARATION:

CURING OF NEW SUBSTRATES:

Newly completed walls should be left to cure before the application of Mineral Silicate Primer. Minimum drying/curing times:

Cement render	28 days
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Cement "bagged" surface	14 days
Bricks and mortar	56 days
Filled concrete blocks	56 days
Pre-cast and in-situ concrete	56 days

APPLICATION:

(On hot, dry or windy days whenever possible work in shaded areas, following the sun around the structure.)

Splashes onto glass, footpaths, timber etc should be removed *immediately* with water.

NEW/UNPAINTED MASONRY SUBSTRATES:

Substrate should be a clean well-held surface free from loose material, dirt, grease, oil and mould. Surface should be thoroughly swept and hosed to remove all dust, loose sand and projecting cement material. Complete the painting of all adjacent surfaces and trim items prior to the application of Porter's Mineral Silicate Primer. Apply 1 coat of Porter's Mineral Silicate Primer to entire wall surface by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time before over coating.

OFF-FORM CONCRETE AND TILT-UP SLAB CONSTRUCTION:

Concrete and tilt-up surfaces require a thorough acid wash to remove ALL traces of bond breakers/release agents and importantly, to remove any "glazed" or "polished" appearance, as Mineral Silicate Primer can only adhere to an absorbent masonry surface. Apply 1 coat of Porter's Mineral Silicate Primer to entire wall surface by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time before over coating.

UNPAINTED INTERIOR SET PLASTER

Set plaster requires a penetrative binder/primer prior to application of an undercoat. Apply 1 coat of Porter's Mineral Silicate Primer to entire wall surface by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time before over coating with Porter's Limeproof Undercoat Sealer.

RECOATING POWDERY, CHALKY LIME WASH OR BONCOTE CEMENT PAINT

Porter's Mineral Silicate Primer will bind powdery or chalky paint to the original surface, allowing adhesion of further coats, or an undercoat sealer (if moving to another paint system) without compromise. Apply 1 coat of Porter's Mineral Silicate Primer to entire wall surface by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time before over coating.

COVERAGE RATES:

Mineral Silicate Primer covers approximately 10m² per litre, depending upon porosity, surface texture and wastage rates.

WASH UP:

Water.

PACKAGING:

Mineral Silicate Primer is available in 1L, 4L, 10L and 15L.

STORAGE:

Store in a cool dry area, protected from frost.

PRECAUTIONS:

Keep out of reach of children. Avoid swallowing. Avoid eye contact. Avoid prolonged skin contact. If accidental contact occurs, rinse immediately with water. Check colour before use.

MANUFACTURER'S/DISTRIBUTOR'S DETAILS:

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