



Product Specification

Product Name:

PORTER'S LIQUID ZINC

PRODUCT DESCRIPTION:

Porter's Liquid Zinc authentically replicates the soft grey patina of architectural zinc. Inspired by the ornamentation of the grand palaces and cathedrals of Europe, Porter's Liquid Zinc provides an exciting design element with its soft metallic texture and muted grey colour. Create modern zinc façade panels, for example, or add tradition and grandeur to gutters, downspouts and gables. Ideal for garden ornaments, statuary and landscaping, as well as interior feature walls or art installations. Liquid Zinc contains genuine zinc powder and is formulated with a paint resin that sets rock hard for super durability. Supplied as two components: Liquid Zinc base and a powdered zinc additive. Use the Zinc Ageing Solution for creating an instant weathered patina (perfect for interior application where natural weathering will not occur). **IMPORTANT NOTICE:** Always wear a dust mask, safety goggles and gloves when using this product.

LOCATION:

Interior and exterior.

ENVIRONMENTAL INFORMATION:

This product contains: 0.63g/L VOC's (Volatile Organic Compounds contribute to atmospheric pollution.

Liquid Zinc Ageing Solution contains 0g/L VOC's.

APAS* Target level for this product: 450g/L.

Although this product is unique and there is no comparative product type, the closest comparison would be a typical oil-based micaceous paint that has a VOC level of approx. 350-450g/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:

Can be applied to most suitably prepared plasterboard, plaster, wood, masonry, metal and previously painted surfaces.

COLOURS:

Liquid Zinc is available in one colour only, a soft grey.

LIMITATIONS:

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

PREPARATION:

Substrate should be a clean well-held surface free from loose material, dirt, grease, oil and mould. Previously painted surfaces should be sanded to remove gloss and create a "keyed" surface. Dust down before proceeding. For most surfaces, Liquid Zinc is self-priming (including surfaces previously painted with water-based paints), although for new unpainted building panels such as paper-faced plasterboard (i.e. Gyprock) and fibrous cement sheeting, we recommend surface preparation of two coats of Porter's Limeproof Undercoat Sealer. Touch dry 2 hours. Allow 6 hours dry time between coats and 24 hours dry time prior to the application of Liquid Zinc.

For surfaces previously painted with oil-based paints, sand as above, then prepare with 2 coats of Porter's Universal Primer. Touch dry 2 hours. Allow 6 hours dry time between coats and 24 hours dry time prior to the application of Liquid Zinc.

APPLICATION:

Always wear a dust mask, safety goggles and gloves when using this product. Stir Liquid Zinc base* thoroughly prior to use. Add zinc powder additive and mix with a broad spatula or a drill with a paint mixing attachment to ensure even distribution of the zinc particles. *Please note:* Inhalation of zinc dust can be harmful.

Allow to stand for 5 minutes prior to application.

Liquid Zinc (once the zinc dust has been added) has a workable pot life of 4-6 hours, and then will gradually thicken. It is recommended that only enough material is prepared that can be painted up within this time, but please note that the two components, Liquid Zinc Paint Base and the Zinc powder, have been specifically pre-weighted to get the correct chemical reaction from the direct ratio between the two, so be very precise in measuring out quantities if not using the entire amount.

Apply one coat by brush or roller. Touch dry in 30 minutes. If correctly applied, no second coat is required. However, if a second coat is required, allow minimum 2 hours dry time between coats.

IMPORTANT NOTE:

Once the zinc powder has been added to the Liquid Zinc base a stable chemical reaction occurs, causing the combined ingredients to slowly harden to a gel. The reason that we have

designed this product to harden is for safety reasons. Adding zinc powder to water or a paint base will create off-gassing, and if this combined product is stored in a container with an airtight lid, the build up of gas can cause a sudden release or explosion of built up gas. By designing the product to harden, this reaction does not occur.

* You may notice a slight separation in the Liquid Zinc paint base. This is perfectly normal and in no way affects the performance of the product. Simply stir thoroughly prior to the addition of the Zinc Powder.

CREATING PATINA/AGEING:

Allow Liquid Zinc to dry for 24 hours before applying Zinc Ageing Solution. Use gloves and eye goggles when applying this product. Apply Zinc Ageing Solution (a lightweight gel) by brush in a random or multidirectional pattern, but ensuring even coverage. Ageing effect will begin within hours and continue to develop, mainly over the next 24 hours, for up to a week.

COVERAGE RATES:

Liquid Zinc covers approximately 12-14m² per litre, depending upon porosity, surface texture and wastage rates.

Zinc Ageing Solution covers approximately 10m² per litre.

WASH UP:

Water.

COMPLEMENTARY PRODUCTS:

Porter's Limeproof Undercoat Sealer (coverage 12m² per litre) is recommended where an undercoat/primer is required when preparing substrate for painting.

PACKAGING:

Porter's Liquid Zinc is available in 1 litre size only. Zinc Powder (supplied separately) is available in 700g.

Porter's Zinc Ageing Solution is available in 500ml.

STORAGE:

Store in a cool dry area, protected from frost.

PRECAUTIONS:

Do not inhale zinc dust. Always wear a dust mask, safety goggles and gloves when using this product.

Do not combine zinc dust with any other product, OR WITH WATER, as off-gassing can occur causing a dangerous build-up of gas or other dangerous chemical reactions. If this combined product has not been allowed to fully thicken, and is stored in a container with an airtight lid, the build up of gas can cause a sudden release or explosion. If replacing the lid is necessary (for example for transportation), puncture lid with a few holes to allow gasses to harmlessly escape.

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

MANUFACTURER'S/DISTRIBUTOR'S DETAILS:

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