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Product Specification

## PORTER'S LIQUID ZINC

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### 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:

Liquid Zinc contains: 0.63g/L VOC's (Volatile Organic Compounds contribute to atmospheric pollution). Zinc Ageing Solution contains 0g/L VOCs.

The following descriptors have been adopted by APAS (Australian Paint Approval Scheme):

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

This product is classified as Very Low VOC by the Australian Paint Approval Scheme.

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.

## 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, spot prime all joints and repaired areas with Porter’s Prepare & Prime, then apply 1 or 2 coats of same to entire area. Allow 2 hours dry time before overcoating.

On new unpainted fresh set plaster do not proceed until plaster has thoroughly set and has dried completely. Firstly, apply 1 coat Porter’s Mineral Silicate Primer by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time. Then apply by brush, roller or spray 1 coat Porter’s Prepare & Prime. Touch dry 20 minutes. Allow 2 hours dry time before overcoating.

On bare masonry surfaces such as, render or brick, spot prime all repaired areas with Porter’s Limeproof Undercoat Sealer, then apply 1 coat of same to entire area by brush, medium nap roller or spray. Touch dry in 1 hour. Allow 6 hours dry time before recoating or over-coating.

On bare metallic surfaces 1 or 2 apply two coats of Porter’s Universal Primer. Touch dry 2 hours. Recoat 6 hours. Allow to dry 24 hours.

## PREVIOUSLY PAINTED SUBSTRATES:

For most surfaces, Liquid Zinc is self-priming (including surfaces previously painted with water-based paints), however, previously painted surfaces with loose, peeling or flaking paint must be made sound by scraping off loose paint. Fill nail holes and cracks with suitable filler, sand and dust off. Spot prime all joints and repaired areas with Porter’s Prepare & Prime, then apply 1 or 2 coats of same to entire area. Allow 2 hours dry time before overcoating.

## 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 two coats by brush or roller. Touch dry in 30 minutes. Allow minimum 2 hours dry time between coats. Allow Liquid Zinc to dry for 24 hours before applying Zinc Ageing Solution.

#### 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 buildup 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 12-14m<sup>2</sup> per litre, depending upon porosity, surface texture and wastage rates.

Zinc Ageing Solution covers approximately 10m<sup>2</sup> per litre.

#### **WASH UP:**

Water.

#### **COMPLEMENTARY PRODUCTS:**

Porter's Prepare & Prime (coverage 12-14m<sup>2</sup> per litre).

Porter's Limeproof Undercoat Sealer (12m<sup>2</sup> per litre).

Porter's Universal Primer (coverage 10-12m<sup>2</sup> per litre).

Mineral Silicate Primer (coverage 10m<sup>2</sup> per litre) is recommended for priming new set plaster before undercoating.

#### **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 buildup 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:**

Porter's Paints  
15 Gow St  
Padstow NSW 2211  
Australia  
Phone: (02) 9698-5322  
Toll free: 1800 656 664  
Fax: (02) 9699-5322  
E-mail: [enquiries@porters.com.au](mailto:enquiries@porters.com.au)  
Web: [www.porterspains.com](http://www.porterspains.com)

Porter's Paints  
150 Hutt Park Rd  
Gracefield  
Lower Hutt 5010  
New Zealand  
Ph: 0800 672 468