

AUPP00047 Porter's Paints Liquid Copper

Introduction

Part A

PM3-D0829 (Std Copper) & PM3-D0830 (Rich Copper)

Description and Image

Porter's Liquid Copper and Patina Green are used together to recreate copper with the green patination of age. The oxidation effect that the Patina Green has on the Liquid Copper allows you to create your own authentic aged copper lamp bases, candlesticks, mirror frames and garden ornaments.

Features and Benefits

- Contains real copper.
- Interior & exterior.
- Available in standard Copper or Rich Copper.
- Create an aged copper effect by oxidising with Patina Green, or use Liquid Copper by itself for a bright copper effect (on interior surfaces, will oxidise naturally on exterior surfaces).
- Water wash up.
- Cost effective when compared to copper sheeting or cladding.

Uses

Suitable for almost any paintable surface, both interior and exterior.

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

Precautions and Limitations

Not suitable for "high traffic" surfaces such as handrails, door knobs etc as continued touching of the surface will remove green patina effect.

The green patina effect can be delicate, and the application of clear coats or finishes over the green patina effect will remove some or all the finish, and this can leave the Liquid Copper visible without the Patina Green finish. We recommend that Liquid Copper & Patina Green be left to weather naturally.

On exterior surfaces, be mindful that green patina stains (caused by run-off) may appear on adjacent surfaces.

Porter's Liquid Copper can be used on its own, without the application of Patina Green. Please note that the copper particles will react to moisture and finger marks. On exterior applications a subtle green patina will develop naturally over time. On interior applications, continued touching of the copper surface can leave dark fingerprints.

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

Please Note: Liquid Copper treated with Patina Green is a chemical reaction. Individual results may vary due to film thickness, methods used, time elapsed, ambient temperatures, substrate etc.

Typical Properties

Colour

Available in standard Copper or Rich Copper.

Decorative Range Base:

Liquid Copper:

Copper

Rich Copper

Smooth Impasto:

French Wash:

Distemper:

Wood Wash:

Concrete Wash:

Lime Wash and Interno:

Palm Beach:

Components

1

Number of Coats

2

V.O.C. Level

< 56 g/L

Touch Dry

2 hours (at 25 Deg C and 50% relative Humidity)

Clean Up



Water

Clean Up Description

Clean brushes and equipment with water. Do not pour paint down the drain. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Please confirm local requirements. For more information on responsible disposal of paint and packaging visit paintback.com.au or paintback.co.nz.

Application Methods



Brush

Application Conditions

Solids by Volume

22.3

Min

Max

Recommended

Wet Film Per Coat (microns)

167

125

143

Dry Film Per Coat (microns)

37

28

32

Recoat Time (min/hours)

12 hrs

indefinite

12 hours

Theoretical Spread Rate (m²/L)

6

8

7

Typical Property Notes

Porter's Liquid Copper covers approximately 6-8m² per litre, depending upon porosity, surface texture and wastage rates.

Porter's Patina Green covers approximately 10m² per litre.

Application Guide

Surface Preparation

NEW/UNPAINTED SUBSTRATES:

Substrate should be a clean well-held surface free from loose material, dirt, grease, oil and mould. Dust down before proceeding. On bare surfaces such as new unpainted plasterboard sheeting, or timber, spot prime all joints and repaired areas with Porter's Prepare & Prime, then apply 1 or 2 coats of same to entire area. Touch dry 20 minutes. 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, apply one to two coats of Porter's Universal Primer. Touch dry 2 hours. Recoat 6 hours. Allow to dry 24 hours.

PREVIOUSLY PAINTED SUBSTRATES:

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. Touch dry 20 minutes. Allow 2 hours dry time before overcoating.

Application Procedure and Equipment

APPLYING LIQUID COPPER:

Stir thoroughly prior to use as this ensures an even distribution of copper particles. Apply two coats by brush. Touch dry in 2 hours. Allow minimum 12 hours dry time between coats.

APPLYING PATINA GREEN:

Caution: Please always wear rubber gloves and safety goggles (refer to Patina Green SDS prior to use).

When the second coat of Porter's Liquid Copper is touch dry*, lightly apply by brush one coat of Porter's Patina Green. Patination and oxidization will begin to develop within hours and will continue to increase over the next 12 hours. To increase intensity of green patina effect, additional coats may be applied, however, please note that the green patina is delicate, and brushing on further coats can remove or change the initial patination. Allow each application to dry thoroughly (minimum 3 hours) before applying additional coats.

*For best results apply Patina Green when Liquid Copper is touch dry, and it must be applied within 12 hours of the Liquid Copper being touch dry. This is because the longer the Liquid Copper is left to dry the harder the paint resins will become, and the Patina Green will take longer to react with the copper particles.

Please Note: Liquid Copper treated with Patina Green is a chemical reaction. Individual results may vary due to film thickness, methods used, time elapsed, ambient temperatures, substrate etc.

Health and Safety

SDS Number
DLXGHSEN001324 (Std Copper)

SDS Link
[View SDS Link](#)

SDS Number
DLXGHSEN001999 (Rich Copper)

SDS Link
[View SDS Link](#)

Using Safety Precautions

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.

When applying Patina Green wear rubber gloves and safety goggles.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage	
Pack A PM3-D0829 (Std Copper) & PM3-D0830 (Rich Copper)	
Size:	Weight:
500ml, 1 litre, 4 litre & 200 litre(Std)	680g, 1.31 Kg, 5.1 Kg & 257 Kg
Flash Point N/A	UN Number 3082
Dangerous Goods Class DG 9. Classified as Dangerous Goods for transport by Road, Rail & Marine and for transport by Air.	Package Group III

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The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.