

# CALICONE



## DESCRIPTION

CALICONE is based on a waterborne acrylic alloy polymer blend. It produces a dry film which is extremely tough and resilient resembling solvent borne acrylics. It is designed to be penetrative, binding and wear with exceptional adhesion. CALICONE has resistance to water, oils, greases and dilute cleaning chemicals. CALICONE is able to be used internally and externally.

## APPLICATIONS

CALICONE is suitable for sealing a variety of concrete substrates including old concrete floors which have been cleaned.

CALICONE is suitable to seal grout between ceramic tiles.

CALICONE is used as a sealer on multiple substrates eg. terracotta tiles, slate, clay and concrete paving, sandstone and limestone facades or paving.

CALICONE can be used as a sacrificial anti graffiti system.

## FEATURES

CALICONE can be used externally or internally.

CALICONE has UV resistance.

CALICONE is non yellowing.

CALICONE has little effect on the original colour of the substrate.

CALICONE is suitable for pedestrian traffic and vehicle traffic when fully cured.

## PREPARATION

Stir thoroughly before use. Paint mixer on an electric drill is recommended. Mix for approximately 2 mins before use at low to medium speed.

**BARE CONCRETE/CLAY/RECONSTITUTED & NATURAL LIMESTONE SUBSTRATES:** Any oil

and grease should be removed with MARCMOVE before water blasting. The concrete should be free of dust, dirt, oil, mould, algae, fungi, laitance, paints, coatings, curing compounds and should have a sound, firm surface which does not give way when given the packaging tape adhesion test. Exposed aggregate concrete should be acid etched to remove retarder stains and excess concrete scum off exposed stones. Allow the surface to dry thoroughly after water blasting with a high pressure machine.

**CERAMIC TILES:** Make sure there is no grout scum on the surface of the tiles. If so, acid clean with DYNACLENE diluted 10 times with water. Treat as bare concrete as detailed above after the DYNACLENE acid etching. If the tiles are clean and in very good condition, clean them with a vinegar/methylated spirits mixture and water. Rinse well with water, thoroughly dry tiles before sealing.

**PAINTED SURFACES:** The concrete should be free of dust, dirt, oil, mould, algae, fungi, laitance and should have a sound, firm surface which does not give way when given the packaging tape adhesion test.

Allow all substrates to dry thoroughly before applying the CALICONE.  
Do not apply under 16°C

## APPLICATION RATES

**SEAL COAT ON UNGLAZED TILES:** Apply one coat of CALICONE at 8 - 10m<sup>2</sup>/litre/coat.

**PAINTED CONCRETE:** Apply one coat of CALICONE at 8 - 10m<sup>2</sup>/litre.

**CONCRETE/LIMESTONE PAVERS :** Apply two coats at 8 - 10m<sup>2</sup>/litre/coat.

FACTORY  
16 GOONGARRIE STREET  
BAYSWATER WA 6053  
AUSTRALIA

POSTAL  
PO BOX 385  
BAYSWATER WA 6933  
AUSTRALIA

TELEPHONE  
TEL. (08) 9378 2022  
FAX. (08) 9377 2575  
MOB. 0418 956 860

IDENTIFICATION  
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**CLAY PAVERS:** Apply one or two coats at 6 - 8m<sup>2</sup>/litre/coat.

**EXPOSED AGGREGATE CONCRETE:** Apply two coats at 5 - 7m<sup>2</sup>/litre/coat.

**POURED (LIQUID) LIMESTONE:** Apply two coats at 4 - 5m<sup>2</sup>/litre/coat.

**NATURAL SANDSTONES/LIMESTONES :** Apply two coats in the region of 3-4m<sup>2</sup>/litre/coat. Thorough testing is recommended on natural limestone to determine suitability. Exterior natural limestone walls can be sealed with a combination of CALICONE and CALSEAL. 2 - 3 litres of CALSEAL is mixed with 20 litres of CALICONE before application. Two coats are recommended with a minimum of 4 hours between coats.

**CERAMIC TILE GROUT:** Apply one coat not to excess with a switch brush. For highly absorbent grouts, apply a similar coat to the first coat.

**SACRIFICIAL ANTI GRAFFITI SYSTEM:** Apply three coats at an average of 8m<sup>2</sup>/litre/coat. Trial areas should be performed to determine the appropriate spread rate as different substrates will vary in porosity.

**BARE CONCRETE:** Apply two coats at an average of 8m<sup>2</sup>/litre/coat. Apply three coats for areas of heavy traffic.

Full drying of the previous coat may hinder the application of a second coat in some circumstances. This is due to the varied porosities among different substrates. The surface texture (roughness) and porosities will have an effect on the amount used for most substrates. Tests should be done to determine a spread rate of CALICONE.

## NOTICE

**NOTE :** It is not recommended to apply CALICONE by roller as there is a tendency to create air bubbles in the coating by too vigorous rolling; and over rolling on partially dried coating. It is best to apply CALICONE by Tee Bar Pad applicator, soft hair broom, brush or spray.

CALICONE needs to be applied in thin even coats laying off as applying. Thick coats cause drying problems with CALICONE sometimes leaving an opalescent(whitish) film - not a clear film. Substantial water contact within a week or so after application may create a very light whitish spot effect in the film. The effect disappears when the water is removed or evaporated and will not occur when the film gains full strength. Rising moisture in substrates needs to be constrained before application of CALICONE.

Keep CALICONE off window, door frames and glass.

**FOR ALL MULTIPLE COAT APPLICATIONS, ALLOW 2 – 4 HOURS BETWEEN COATS at 25°C.**

Pedestrian traffic can resume after 24 hours, vehicle traffic after 5 days at 25°C.

**DO NOT APPLY IF RAIN OR INCLEMENT WEATHER IS EXPECTED WITHIN 72 HOURS.**

## CLEAN UP

Clean up wet CALICONE deposits with water and dry CALICONE deposits with MARCMOVE.

## STORAGE

Store CALICONE in sealed containers under cover in a cool area away from foodstuffs. Shelf life: 6 months in unopened container.

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## PACK SIZES

CALICONE is sold in packs of 20, 200 and 1000 litres.

## TRANSPORT

CALICONE is not a hazardous product for transport under the guidelines of WORKSAFE AUSTRALIA.

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