

Calyco Waterproofing Sealer - Technical Data Sheet

Product Overview

Calyco Waterproofing Sealer is a water-based, breathable elastomeric coating designed to lock out moisture while resisting UV, fungal growth, and cracking across both interior and exterior substrates.

Key Benefits

- Long-term waterproof barrier with crack-bridging flexibility
- Excellent adhesion on concrete, masonry, plaster, wood, metal, tile, and asphalt surfaces
- Breathable film prevents blistering from trapped moisture
- Low VOC formula suitable for occupied spaces

Typical Uses

Ideal for terraces, parapets, wet areas, decks, planter boxes, retaining walls, and any high-moisture zone requiring durable protection.

Technical Specifications

- Base / Vehicle: Water-based acrylic elastomer
- Color / Finish: Clear to tinted matte finish
- Coverage: 85-110 sq. ft. per litre per coat (7.9-10.2 m²)
- Recommended Coats: 2 full coats plus detailing on joints and cracks
- Wet Film Thickness: 10-12 mils per coat
- Dry Film Thickness: 120-150 microns over 2 coats
- Solid Content: Approx. 52 percent by volume
- VOC Content: Below 45 g/L
- pH: 8.0 +/- 0.5
- Shelf Life: 24 months in unopened container

Surface Preparation

- Substrate must be structurally sound, clean, and dry (moisture under 5 percent).
- Remove laitance, dust, grease, salts, fungal growth, loose paint, and previous failing coatings.
- Treat cracks greater than 1 mm with Calyco Elastomeric Crack Paste and reinforce corners with polyester mesh.
- Prime very porous surfaces with Calyco Acrylic Sealer diluted 1:1 with clean water.

Application Guidelines

- Stir material thoroughly with a mechanical mixer before and during application.
- Apply by brush, 3/8 inch nap roller, or airless spray (0.021 inch tip, 2000 psi).
- First coat may be diluted up to 5 percent with clean water for priming absorption.
- Apply second coat perpendicular to the first for uniform film build.
- Application temperature: minimum 15 degC, maximum 40 degC; Relative Humidity under 80 percent.
- Allow minimum 4 hours between coats; ensure first coat is fully dry before recoating.

Drying and Cure

- Touch Dry: 60 minutes at 25 degC and 60 percent RH
- Recoat Window: 4-6 hours
- Foot Traffic: After 24 hours
- Full Chemical Cure: 7 days

Cleanup

Clean tools immediately after use with soap and water. Do not discharge wash water to drains or waterways.

Packaging and Storage

- Available Sizes: 1 L, 4 L, 10 L, 20 L pails
- Storage: Store indoors between 10 degC and 38 degC. Protect from frost and direct sunlight.
- Disposal: Dispose of empty containers in accordance with local regulations.

Compliance

Manufactured under ISO 9001 quality controls. Meets ASTM C836 for liquid-applied waterproofing membranes when applied at recommended thickness.