Balcony Installation — Inventory Checklist

Cleaning / Preparation

- ☐ Muriatic acid
- ☐ Wire brush
- ☐ Scrubbing brush on pole
- ☐ Grout scrubbing brush
- ☐ Goggles
- ☐ Gloves
- ☐ Protective clothing for splashes
- ☐ Pressure washer
- ☐ Pressure washer attachments
- ☐ Squeegee
- ☐ Respirator
- ☐ Knife
- ☐ Knife scraper
- ☐ Towel
- ☐ Trash bag
- ☐ Heat gun
- ☐ Extension cord
- ☐ Faucet/hose fittings

Caulking & On-Top Expansion Joints

- ☐ Soudaseal (clear and colored if required)
- ☐ Caulking gun
- ☐ 3-inch plastic scraper (smooth tiles)
- ☐ Yellow flexible caulking fins

Membrane Application

- ☐ CWM Part 1
- ☐ CWM Part 2
- ☐ Measuring tools or scales
- ☐ Slip-resistant aggregate
- ☐ Large disposable rollers
- ☐ Matting paste
- ☐ Mixing pots
- ☐ Membrane trays
- ☐ Drill/battery
- ☐ Mixing paddle

Grouting (if required)

- ☐ Close-match grout color
- ☐ Bucket
- ☐ Grout float
- ☐ Mixing trowel

Leaky Balcony Repair — Installation Checklist

Step 1 — Before You Begin

☐ Ensure all required personal protective equipment (PPE) is worn (goggles, gloves, waterproof clothing, rubber boots, respirator).

☐ Read the entire installation guide before commencing work.

☐ Watch instructional videos: https://www.remedialmembranes.com.au/downloads/.

☐ Identify where possible leaks are coming from (Videos 8 & 17).

☐ For tile balconies, check for loose tiles, grout, or weak areas.

☐ If tiles have popped and substrate is spongy/soft, stop and investigate possible structural damage.

☐ Once mixed at a 1:10 ratio you will have a working time of approx. 24hrs the membrane can be extended by adding up to 5% water once to increase work time – do not exceed 5%. Only mix up what you are going to need for immediate use.

Step 2 — Cleaning — Health Hazard

Never allow different cleaning agents to mix. Use only one at a time and rinse thoroughly before applying another.

☐ Thoroughly clean all surfaces of grease, grime, mold, fungi, efflorescence, and dust.

☐ Use chlorine for mold/fungi.

☐ Use detergent for grease.

☐ Use muriatic acid for efflorescence (Video 16).

☐ Remove drain grate, clean inside pipe, remove efflorescence and debris (hammer & screwdriver).

☐ Use pressure washer and appropriate cleaning chemicals.

☐ Rinse thoroughly to remove residues (Video 19).

☐ Squeegee off excess water or use wet/dry vacuum.

☐ Re-adhere loose tiles using Soudal SMX caulk (neutral cure, no wait) (Video 15).

Step 3 — Grouting & Expansion Joints

☐ Replace missing grout with close color match; allow to cure (Video 14).

☐ If a substantial crack exists, install an in-joint expansion joint (Video 13).

Step 4 — Drying

☐ Allow surface to fully dry (Video 20). Minimum 2 days for porous tiles including stone or concrete.

☐ Mechanically dry if needed (especially in cooler months).

☐ Vacuum surface; ensure shoes are off before continuing.

Step 5 — Porous Tile — Concrete / Stone Sealing (if applicable)

☐ Create sealer by diluting the membrane as follows: 1:1 Part 1:water + 10% Part 2. (Mix **½ quart of Part 1** with **½ quart of water**, then add **Part 2 at 10% of the combined Part 1 and water volume**. Mix thoroughly before application. **Coverage:** Approximately **129 sq ft** per batch, depending on substrate porosity and condition.

☐ Apply thin, even coats. Highly porous surfaces need 2 coats.

☐ Allow surface to return to natural finish before recoating.

☐ Wash rollers in water; store excess.

☐ Once sealed and dry, proceed to membrane application (Video 21).

Step 6 — Caulking & Drain Grate

* For Bluestone tiles, complete this step after the first membrane coat.

* **For tiles 12 × 12 inches or smaller**, we recommend completing it the day before membrane application to prevent accidental transfer.

☐ Caulk junctions between walls/floors, above skirting tiles, and cracks (Video 18).

☐ If in good condition, go over existing silicone joints with recommended joint adhesive (silicones are not compatible with the membrane).

☐ Install clear control joints or on-top expansion joints over all grout joints using Soudaseal Crystal, leaving the grout in place (Videos 10 & 11). Use a 3-inch plastic scraper for smooth tiles or flexible grout fin for textured tiles.

☐ Seal underside of drain grate to plumbing pipe with adhesive to prevent water reabsorption around the drain (Video 12).

Step 7 — Membrane Application — First Coat

Surface temperature should be between 50 - 82°F for installation. If hot, work in the early morning to avoid streaking (video 25).

In cooler climates ensure the surface is touch dry and clear prior to the drop on the heat of the day be mindful evening dew; use fans if necessary to get to dry off quicker..

☐ Only mix what you can use (working time approximately 24 hours, environment dependent).

☐ Slowly add CWM Part 2 into CWM Part 1 while stirring (always Part 2 → Part 1).

☐ Mix ratio: 1:10 Part 2:Part 1.

☐ Stir mechanically; let stand 5 minutes before use.

☐ Apply first perimeter coat 4 inches up walls and 4 inches in from floor edge (4-inch continuous roller). No aggregate in perimeter coats.

☐ Allow coat to dry fully transparent before continuing.

☐ Apply second perimeter coat 4 inches up walls and 4 inches in from floor edge (4-inch continuous roller). Check mixing instructions for second coat if matte or satin finish is desired.

☐ Apply first coat across full surface; ensure no puddles or streaking.

Step 8 — Membrane Application — Second Coat

Aggregate: 1 tablespoon per 8 sq ft. Remove shoes.

☐ For gloss: mix Part 1 + Part 2 + aggregate.

☐ For satin/matte: mix Part 1 + (satin 2.5% / matte 5%) paste + aggregate (no Part 2).

☐ Apply second coat diagonally to first coat direction.

☐ Continuously mix aggregate in tray and bucket (heavy; will settle).

☐ Wrap membrane over balcony edges/returns where required.

Step 9 — Final Steps & Cure

☐ 24 hours after application, surface is trafficable.

☐ Do not place pots/furniture for 7 days. Use feet for pots to allow adequate drainage and rubber feet below furniture.

☐ Follow customer care instructions.

Step 10 — Repairing Damage

☐ Clean surface with white vinegar and Magic Eraser.

☐ Wipe dry.

☐ Cut/scrape off the damaged section.

☐ Using Soudaseal, scrape over void to bring to the same height as original membrane.

☐ Mix membrane with aggregate and apply over patch.

☐ Allow to dry for 24 hours before using that section.

Technical Advice

Contact Remedial Membranes for technical advice (760) 284-8544

