

EXTERNAL BALCONY INSTALLATION



Please ensure all required Personal Protective Equipment is followed from MSDS

What you will need to complete the application including Part 1 & 2 Clear Waterproofing Membrane:



Soudal Joint Adhesive



Applicator Gun



Paint Brush



If there is any missing grout you may also require some additional matching grouts we recommend ARDEX



Paint Roller

Step 1: Check to see if there is any loose material and/or substances that may weaken and diminish adhesion like loose tiles or grout on the area you wish to apply Remedial Membranes Clear Waterproofing Membrane (CWM) to.

If you can identify some loose tiles you can adhere these to the sub straight with Soudal Joint Adhesive (if compatible with existing membrane) as this is a neutral cure adhesive it will not be required to fully cure prior to CWM's application.

If any grout is missing replace grout with as close a match as you can and allow to cure, you can decrease its curing time with a heat gun.

Please note: Any time you remove a tile and the sub straight is soft to touch like a sponge your water damage may require a specialist to investigate as your water damage may have gone into the building materials and require additional repair.

Step 2: Clean the entire surface to be free from grease, grime, mould, fungi and dust.

Step 3: Surfaces should be thoroughly cleaned and flushed to remove detergent residues and allowed to completely dry. DO NOT APPLY CWM IF THE WHOLE SURFACE IS NOT COMPLETELY DRY

Step 4: Try and identify where the leak/s may be coming from, look for cracks in junctions between the wall and the floor and cracks through the floor where expansion might have occurred over time. Fill these cracks and all existing silicon joints with Soudal Joint Adhesive (this is not required to cure prior to CWM application).

Step 5: Check weather to ensure the forecast is for a minimum of two sunny days if concerned about the weather cover with tarp. If your installation occurs in the cooler months and does not get direct sunlight we recommend mechanically drying to ensure excess water is removed from the sub straight. This can be as simple as purchasing some cheap halogen lights/lamps from the local hardware usually around \$10ea and position them over the area for the two days drying time.

Please Note: If you have stone tiles you will be required to seal them with CWM Sealer the day prior to membrane application. If you are unfamiliar with sealing please see the installation manual of how to seal the surface under downloads.

Step 6 **for all applications that are not a poured solid concrete slab.**

Framed sub-straight move continuously and all over the surface so intermittent control joints are not sufficient, we will use the recommended joint adhesive and install clear control joints over all the existing grout joints.

Squeeze the recommended joint adhesive over the grout joint, use a 75mm or 3 inch plastic scraper and at a 90 degree right angle scrape the Clear Joint Adhesive over the grout joint making sure not to leave any raised profiles as these will be seen after membrane application. By installing these over the existing grout joint you will end up with a control joint that is thinner than it is wider providing maximum lateral flexibility which will flex with ongoing movement of the framed sub straight and if installed correctly will be unnoticeable after the membrane is applied.

Step 7: Remove waste grate (if possible), clean inside and using Soudal Joint Adhesive join the underside of the waste grate to the plumbing pipe then waterproof when you do the balcony.

Step 8: Externally Mix CWM2 liquid slowly into CWM1 liquid while mechanically stirring to ensure proper mixing. Always add CWM 2 to CWM1. Allow the mix to stand for 5 mins prior to use. Mix a minimum of 10% CWM Part 2 into CWM Part 1. Install both coats on day of mixing membrane will cure in 48 hours.

Dry film thickness should never drop below 125microns (.125mm) in areas 100mm directly adjacent to junctions between wall and floor and any area that is prone to movement like cracks and expansion joints product dry thickness should be increased to 500 microns (.5mm) and applied over the joint adhesive

Step 9: Apply the CWM in all the junctions between the wall and the floor with the paint brush as high is required but at least 100mm, and 100mm in from the floor perimeter.

Please note: The underside of doorsills are a known weakness, apply Soudal Joint adhesive at the point where the wall meets the flashing and waterproofing to the Joint Adhesive and put flashing over.

If walls are weatherboard, remove (if possible) the last weather board sheeting to apply product up to the underside and refix.

Step 10: Apply a large amount of CWM to the paint roller and move around the surface in one direction ensure complete coverage but do not leave puddles of the product. (check additional information video for method of applying membrane)

Step 11: Ensure the first coat has completely cured and is fully transparent ensure that there is no visible whitening especially in the junctions between wall and floor.

Step 12: Apply the second coat of CWM in all the junctions between the wall and the floor with the paint brush as high as previous coat, and 100mm in from the floor perimeter.

Step 13: Mix in anti slip aggregate into remaining membrane.

Step 14: Apply second coat in the opposite direction to the first coat again. Each time you put your roller in the tray push to the bottom to constantly mix the aggregate through evenly.

Each time you pour the membrane from the pail to the tray remix as the aggregate is heavy and will settle on the bottom. Please ensure you have adequate dry time prior to the temperature dropping at night as dew is water and cannot sit on the product until it has completely cured (use fans if necessary to dry surface quickly).

Step 15: Once completely transparent it now trafficable however DO NOT add pots or outdoor furniture for 7 days to allow complete curing of the product.

Step 16: Always follow customer care instructions.

BLUESTONE TILES

If you have Bluestone tiles you will need to install the first coat of membrane the day prior to using the recommended joint adhesive as the two products although clear react differently to the Bluestone surface. Please contact technical assistance if you would like more information.