

MOISTURE SEAL (squeegee formula) consisting of Part A & Part B **APPLICATION PROCEDURE**

PRODUCT DESCRIPTION:

Moisture Seal (squeegee formula) is a water-based 2-part epoxy designed for use over concrete under Rebound Ace & Plexipave sports systems as a combined basecoat and waterproofing barrier.

Areas of Use:

- Used as a base water- proofing system particularly in areas where hydrostatic pressure is an issue. It is also used to fortify weak or porous concrete prior to Rebound Ace & Plexipave surface applications.
- Suitable for use in conjunction with other coatings where a water and vapour transmission barrier is required – examples:
- Waterproof membranes, decorative paints, protective coatings, tiling adhesives and other floor preparation products, lift wells, concrete tanks, basements, tanks, reservoirs, aqua ducts, underground car parks etc.

Acceptable Substrates:

- Concrete, Pre-cast concrete, bricks, masonry, cement sheet, structural plywood, metal. Ensure all oil, rust or other deleterious matter is removed prior to application.
- Always contact the manufacturer if in any doubt re substrates to be bonded.

Application Procedure and Equipment:

- **Moisture Seal** is a minimum two (2) coat system. The coverage rate as specified must be achieved to ensure water transmission barrier and low vapour permeability is obtained
- Apply with a squeegee ensuring the material is worked into the substrate surface to eliminate pin holing. Applying the two (2) coats with this method, and allowing for the evaporation loss, the final dry film thickness should be achieved as specified
- **Moisture Seal** will experience 50% evaporation loss from each coating application while curing.

Preparation:

- Best mixing temperature for product is between 20°C [68°F] and 25°C [77°F]
- All surfaces must be clean, dry and free from any mould release compounds, oil, wax or other deleterious matter
- All bonding surfaces shall be to original surface – any backing materials must be removed
- Where necessary grind back of substrate to provide a clean bonding surface – ensure all dust, or residue is removed before application
- Repair non-structural holes and cracks with an epoxy base cement mortar



Mixing:

- Combine equal parts Part A and Part B by volume.
- Mix until colour is uniform (light grey) – make sure sides and bottom of container are scraped to ensure complete mixing
- Pot Life after mixing is approximately 1 hour @ 25°C [77°F]

Cleaning:

- Clean up should be done as soon as possible after mixing using warm water with soap or detergent.

Limitations:

- **ENSURE** all aged concrete has **been acid etched or ground** to enable the material to 'grip' the surface during the application process
- Very Smooth or polished concrete will require **scarifying** in order to achieve a continuous film flow across the substrate
- All **NEW CONCRETE** **must** be lightly broom finished to facilitate a good mechanical bond.
- CSS Moisture Seal is **NOT SUITABLE** for filling birdbaths and may delaminate if used for this purpose. Any bird baths should be filled and levelled using a suitable patching compound (eg CSS Crete Seal) prior to application of Moisture Seal (squeegee formula)
- **Moisture Seal** cure rates will be affected by surface and ambient temperature, and high relative humidity.
- Seal all steel or metal surfaces before application of corrosion may occur
- **Moisture Seal** is a vapour barrier and not a flexible waterproof membrane. A dedicated flexible membrane recommended by the Manufacturer's should be used if a waterproof membrane in conjunction with a vapour barrier is required
- In enclosed areas, such as water tanks or reservoirs, ventilation should be provided to enable adequate curing.
- Allow to cure for a minimum of 24 hours at 25°C [77°F] /50% R.H. before applying adhesives, mortars, decorative coatings or other surface treatments.
- **Moisture Seal** will tend to yellow when exposed to UV light
- Discard any material that has exceeded the pot life or working time of the product
- **Do not** apply over any substrates that have been previously treated or coating with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface
- **Do not** apply if rain is imminent
- **Do not** expose to running water or full immersion for at least 24 hours
- **Ensure** concrete surface is **COMPLETELY** dry with no evidence of ponded or surface water / moisture

Packaging:

- 20 litre kits (Part A 10lt; Part B 10lt)

Shelf Life:

- Product will remain usable unmixed for a period of 12 months if stored between 5°C and 35°C

Coverage:

- **Moisture Seal** must be applied in two (2) coats to achieve full coverage without missed areas or pin holing.
- 1st coat covers 5 - 6 m² per litre [24-27 sq.yd./gal]; 2nd coat covers 6 - 8 m² per litre. [27-36 sq.yd./gal].

These figures are a guide, as use rate will vary depending on the nature of the surface.

- Allow 4 hours between coats
- Full cure is achieved after 5 – 7 days at 25°C
- Mixed Pot life @ 25°C [77°F] is 45 – 60 minutes

Safety Precautions:

- Avoid contact with skin and eyes – always wear protective clothing including gloves. Use of a barrier cream on hands prior to commencement is recommended
- Ensure adequate ventilation and avoid breathing vapours
- Keep away from children
- If swallowed do not induce vomiting, give plenty of milk and water – SEEK MEDICAL ADVICE
- For more detailed information refer to the MSDS (Material Safety Data Sheet)

Important: The information, and the recommendations relating to the application/s and end use of California Sports Surfaces Products, are given in good faith based on California Sports Surfaces current knowledge and experience of the products when properly stored, handled, and applied in normal conditions. In practice, the differences in substrates, materials and actual site conditions are such that no warranty in respect of the merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. Users should always refer to the most recent issue of the Australian version of the Technical Bulletin for the product concerned, copies of which are supplied on request.

PLEASE CONSULT TECHNICAL DEPARTMENT FOR PRODUCT RECOMMENDATIONS AND ADVICE. PRE-TESTING OF SUBSTRATES IS RECOMMENDED TO ENSURE PERFORMANCE OF PRODUCT UNDER ALL CONDITIONS.