

Pro Liquid Gas Barrier ('LGB') Application Guide

PRODUCTS

- Pro LGB
- Koster Repair Mortar
- Koster Polysil TG500
- Koster SB Bonding
- Pro LGB Joint Tape

GENERAL - CONCRETE SERVICES

- Concrete surfaces must be cleaned, any loose material, oil, paint, and fungal growths should be removed.
- All joints, voids, and cracks to be repaired and detailed as below.
- Before application of the PRO LGB the product must be mechanically agitated for at least 5 minutes.
- All product mixing, applications and curing to be in strict accordance with the details provided here and their respective Product Data Sheets.
- Product Data Sheets and MSDS to be read prior to any installation taking place.

CONSTRUCTION JOINTS/CRACKS/VOIDS

- All construction joints and cracks to be cleaned to remove any loose dust and detritus.
- Apply a 1st primer coat of PRO LGB at rate of 1kg/m² over the construction joint/crack extending minimum 75mm beyond joint/crack width.
- Lay Pro LGB Joint Tape into 1st coat application, pressing in to PRO LGB.
- Apply further coat of PRO LGB over the Pro LGB Joint Tape to the joints/cracks as per standard application detailed later.
- To large cracks and voids, these should be cleaned, and all dust and detritus removed.
- Mix Koster Repair Mortar Plus to form a stiff putty consistency (refer to Product Data Sheet for full mixing details).
- Prime crack/void with Koster Polysil TG 500.
- Pack Koster Repair Mortar Plus into the voids and cracks.

SURFACE PREPARATION

- All surfaces must be clean and dust free.
- Surfaces can be damp, but no standing water should be present.
- Service penetrations
- Chase out a minimum 25mm around the penetration, remove all dust and loose material.
- Prime chase with Koster Polysil TG500.
- Mix and pack firmly with Koster Repair Mortar Plus (refer to above) into the chase.



FIXINGS

All fixings must be resin fixed using suitable epoxy resin anchor systems.

LGB APPLICATION

- Mix PRO LGB thoroughly for minimum 3 minutes using slow speed paddle mixer before use or after long periods of standing.
- Apply 1st coat PRO LGB to the prepared surface at rate of 1kg/m² using a brush or roller.
- Allow to dry – PRO LGB is touch dry in 1-2 hours (subject to ambient conditions).
- Apply 2nd coat PRO LGB in opposite direction to first application at rate of 1kg/m².
- Based on application of two coats (2kg/m²) minimum thickness of 1mm should be achieved.
- Care should be taken between applications of PRO LGB to eliminate air from the application.
- Allow product to fully cure (minimum 24 hours subject to ambient conditions).
- Once cured PRO LGB will accept light foot traffic but should be protected to avoid damage.
- External applications MUST be protected from rain and frost.

PRO LGB MUST NOT be applied when temperature is 7 degrees and falling.

STORAGE

Once application is complete, replace lid immediately to tub and store in dry conditions out of direct sunlight and frost.

For further assistance please contact Delta's Technical Team. References: Delta "How To" videos Guides: <https://www.deltamembranes.com/technical-categories/the-video-suite/>