



# WATERPROOFING SYSTEMS BURIED MEMBRANES



# WATERPROOFING BURIED ROOFS, PODIUM DECKS, BALCONIES & TERRACES

The phrase buried refers to the fact that the waterproofing layer is not visible when the project is finished. This contrasts with exposed waterproofing where the coating is visible, like liquid roofing. A common application is podium decks which are particularly used on top of basement constructions as paved areas or gardens or terraces, or rooftop terraces which can be paved.

Correct specification of a buried system is even more important than an exposed system because once the complete system is installed it's almost impossible to remedy any issues whereas an exposed coating can generally be directly repaired.

A podium deck is a structural element which is essentially an elevated platform which allows for usage both above and below, these may be terraces over underground car parks, roof gardens over accommodation, balconies, terraces and patios.

It is imperative that the correct system is used to prevent moisture ingress into the occupied space below, whether that's for a balcony or a pedestrian area over a car park. It is also essential that the correct detailing is done for all joints connections drains, upstands etc.



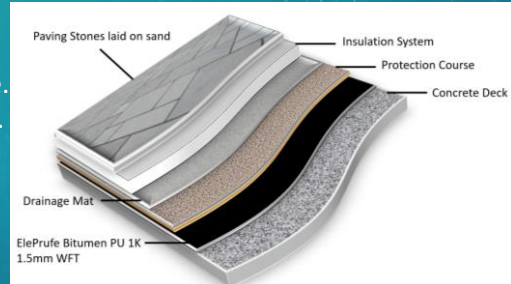


# ELEPRUFE BITUMEN PU 1K

A premium quality, liquid cold applied, one-component bitumen polyurethane self levelling elastic waterproofing membrane, typically used for buried membrane applications on floors (also can be used on walls).

Bitumen PU is the most economical option but is most commonly used in spring summer and autumn. See our MMA systems for fast drying and winter application.

- ☐ Applicable on damp surfaces.
- ☐ Excellent resistance to water and moisture.
- ☐ Can be applied by brush, roller or a trowel.
- ☐ Fantastic Adhesion to many materials
- ☐ Elastic down to -40degC
- ☐ Fast curing
- ☐ Applied in 2 layers totalling 1.5 litres/m<sup>2</sup>



Under green roofs a root barrier and drainage system is required. Typically it is covered by a protection layer to prevent damage to the coating.

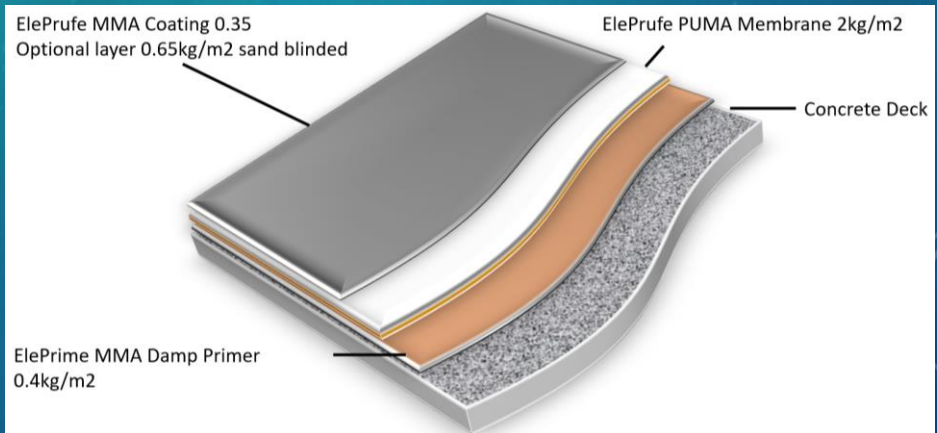


# ELEPRUFE PUMA CONCRETE PROTECTION

A premium quality, Polyurethane modified MMA system comprising of a damp tolerant MMA primer, a PUMA membrane layer and a protective top coat. The system is fast curing with all three layers applied and ready the same day for further systems to be applied. Typically used for buried membrane applications on floors (also can be used on walls).

- ☐ Applicable on damp surfaces.
- ☐ Excellent resistance to water and moisture.
- ☐ Rapid curing between layers 30-45 minutes typically.
- ☐ Fantastic Adhesion to many materials
- ☐ The whole system can be applied in a single day
- ☐ Elastic membrane
- ☐ Applied in 2 layers totalling 1.5 litres/m<sup>2</sup>

Under green roofs a root barrier and drainage system is required. If the topcoat is aggregate blinded then typically a protection layer is not required.



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