

# Deck waterproofing Options

Current legislation is emphasising the need to waterproof decks to prevent leaks that may compromise the structure throughout the building.

By placing a coating, two outcomes can be achieved: simple coating or full waterproofing. These are two very different outcomes.

**The deciding factor:** Is the deck preventing water getting into a lower room beneath ? or is it just a stand alone structure that requires protection.

1. Coatings will waterproof the concrete or deck material only.
2. Waterproofing coatings waterproof both the concrete and the structure (longterm) and incorporate waterproofed upstands behind claddings, details and downturns, penetrations etc. These have a 15 year requirement under B2 durability and E2/AS1 - watertightness. All types must be and are UV suitable.

## Deck Coating Only

| Name              | Type                                   | Composition                                     | Purpose                  |
|-------------------|--|---|--------------------------|
| Terraflake        | Decorative coating to protect concrete | Epoxy, Flake and polyurethane decorative finish | Trafficable deck coating |
| Unituff           | Decorative coating to protect concrete | Simple acrylic finish                           | Trafficable deck coating |
| Elastodeck 6001AL | Decorative coating to protect concrete | Polyurethane finish with more durability.       | Trafficable deck coating |

## Deck Coating & waterproofing of Building

| Name   | Type and rating #1         | Composition   | Purpose   |
|--|----------------------------|---|---|
| Situclad EWS incorporating Terraflake                  | Waterproofing membrane. 5  | Fiberglass reinforced epoxy, Flake and polyurethane decorative finish             | Trafficable deck coating  |
| Elastodeck   | Waterproofing membrane. 5  | Multilayered Polyurethane finish with more durability.                            | Trafficable deck coating  |
| Ultratuff  | Waterproofing membrane. 6  | Fiberglass reinforced latex with durable topcoat                                  | Trafficable deck coating  |
| Terraflex  | Waterproofing membrane. 6  | Fiberglass reinforced acrylic with durable topcoat                                | Trafficable deck coating  |
| Soprasun 3 & 4AR                                       | Waterproofing membrane. 9  | Double layer bitumen torched on   | High durability but non-Trafficable deck membrane; essentially roofing. |
| Soprasun 3 & 4AR with Nuplex pedestals over and pavers | Waterproofing membrane. 10 | Double layer bitumen torched on; pedestals provide suspended supports for pavers. | High durability deck membrane with trafficability provided by pavers.   |

#1 10 is best