

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