



ARMORSEAL SYSTEM[®]



ROOF – TERRACE – DECK WATERPROOFING

ARMORSEAL SYSTEM is the professional solution for demanding waterproofing applications.

The **ARMORSEAL SYSTEM** is a group of coatings based on 100% polyurethane resins, which used in combination, create a seamless membrane on the roof, terrace or deck that protects the building structure reliably and on a long term basis even under the most difficult conditions.

The **ARMORSEAL SYSTEM** consist of:

ARMORSEAL 250: Liquid-applied waterproofing membrane

ARMORSEAL 710: Primer for absorbent surfaces

ARMORSEAL AQUA PRIMER: Primer for non-absorbent surfaces

ARMORSEAL FABRIC: Special geotextile

ARMORSEAL 400: Polyurethane top-coat for increased durability

ARMORSEAL 420: Polyurethane top-coat for increased durability

ARMORFLEX PU30 – ARMORFLEX PU40: Polyurethane joint sealants



ARMORSEAL 250

ARMORSEAL 250 is a premium, one component permanent elastic, liquid-applied polyurethane coating that cures to a seamless, high elastic waterproofing membrane. It is used for long-lasting waterproofing.

Due to its high technology properties, this product solves waterproofing problems where other methods fail, such as stagnating water, frost, humidity, long term sun exposure, etc.

ADVANTAGES

- Simple application.
- When applied, forms a seamless membrane without joints or leak possibility.
- Resistant to water.
- Crack-bridging up to 2mm, even at -10 °C.
- UV-resistant.
- Maintenance of its mechanical properties over a temperature span of -30 °C to +90 °C.
- Provides water vapor permeability.
- Provides full surface adhesion.
- The waterproofed surface can be used for medium to heavy pedestrian traffic, depending on the ARMORSEAL SYSTEM top coat.
- Resistant to detergents, oils and common chemicals.
- Easy and fast local repair if the membrane is damaged.

- Provides sun reflectivity contributing to thermal insulation.
- Provides anti-root properties.
- Low cost.

LEVELS OF USE CATEGORIES ACCORDING ETAG 005

Working Life:	W3	25years minimum
Climate zone:	M and S	North and South Europe
Imposed loads:	P1 to P4	High pedestrian & vehicle traffic
Dachneigung:	S1 bis S4	Roof slope from <50 to >300
Lowest surface temperature:	TL4	-30 °C
Highest surface temperature:	TH4	+90 °C
Reaction to fire:	Class E	EN 13501, DIN 4102-1 und -7
Resistant to wind loads:	>50 kP a	Resistant to all wind loads

APPLICATIONS

- Roofs, Balconies, Terraces
- Decks, Pedestrian areas, Car parkings
- Wet areas (bathrooms, kitchens, balconies)
- Planter boxes, Green roofs
- Protection over PUR-spray foam
- Concrete protection, Bridge-decks, Foundations, etc.

CERTIFICATIONS

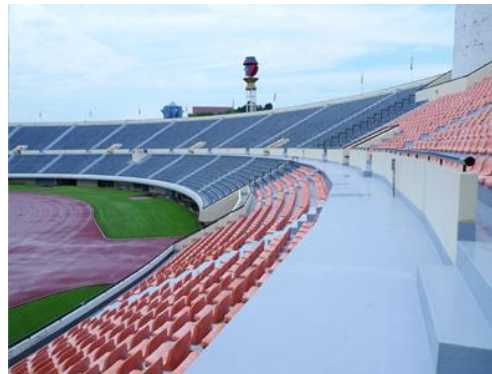
The **ARMORSEAL 250** was tested by the German state testing institute for construction materials MPA-Braunschweig according the European Union Directive for liquid-applied roof

waterproofing kits ETAG 005 and was found conforming.

The **ARMORSEAL 250** was certified by the German state Institute for construction techniques DIBt–Berlin with the European Technical Approval (ETA) and with the CE-mark and certification.

The **ARMORSEAL 250** was additionally tested and approved accordingly: DIN 1928, which classifies it as a waterproofing coating. DIN 4102 part I, which classifies it as a B2 fire rating construction material. DIN 4102 part 7, which classifies it as a surface coating resistant to flying sparks and radiating heat.

The **ARMORSEAL 250** has also been tested and certified in many countries around the world according to local and national regulations and norms.



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