



# DANOCOAT®

## POLYUREA COATING

WATERPROOFING, INSULATION & MORTARS



# INDEX

## DANOSA

About us.....pág. 3

## DANOCOAT

Polyurea coating .....pág. 4

Advantages .....pág. 6

### Building Solutions

Non-trafficable Roofs.....pág. 8

Trafficable Roofs.....pág. 10

Technical Roofs .....pág. 12

### Civil Work Solutions

Bridges.....pág. 14

Parking.....pág. 16

Grandstands, Squares and Common Areas.....pág. 18

Pools, Water Fountains, Artificial Lakes .....pág. 20

Industrial applications.....pág. 22







# DANOSA

## ABOUT US

Society is increasingly looking for better quality buildings, which has an impact on their structural safety and fire protection. However, there are other aspects related to the well-being of users, such as protection against noise, thermal comfort or accessibility for people with reduced mobility. In any case, the building process, due to its direct impact on the configuration of spaces, always involves a commitment to functionality, harmony and balance with the environment of obvious relevance from the point of view of the general interest.

DANOSA is a manufacturer of a wide range of products aimed at responding to different technical requirements in building construction, such as water tightness, coatings, thermal and acoustic insulation, energy saving and fire safety. As a result of the previous paragraph, it is particularly important to underline that the development of new products and the design of new construction systems for both new buildings and refurbishment is based on the evaluation of the sustainable use of resources and the environmental impact of the construction work.

DANOSA offers different systems to ensure water tightness, thermal insulation of building envelopes, acoustic insulation of interior spaces and the correct natural lighting and fire protection if necessary, the result of more than 50 years of experience in the sector, in 5 continents, complying with the quality parameters of the European Union for the peace of mind and safety of all building agents.

DANOSA products and systems are certified and technically assessed by different duly recognised European bodies, through the Harmonised European Standards and Technical Suitability Assessments, complying with the quality parameters required by the entire European Union, for the peace of mind and safety of all building agents.



# **DANOCOAT®**

## POLYUREA COATING FOR WATERPROOFING AND SURFACE PROTECTION

**DANOCOAT®** is a high performance waterproofing membrane from DANOSA, specially formulated and recommended for the most demanding waterproofing, protection and sealing works, both in new construction and rehabilitation.

**DANOCOAT®** polyurea-based membrane provides waterproofing and protection with high mechanical strength, abrasion and chemical resistance, as well as high elasticity.

**DANOCOAT®** is an elastomer obtained through the extremely fast reaction of two liquid components, sprayed onto the substrate to be waterproofed or protected, by means of special equipment that operate at high pressure and high temperature.



# DANOCOAT® SYSTEMS

**DANOCOAT®** systems include the application of a **DANOPRIMER®** primer coat, over which the **DANOCOAT®** membrane is then sprayed, followed by the sealing and finishing coat, which completes the DANOSA solution for professional jobs such as:

Flat and sloping roofs, trafficable or non-trafficable

Technical roofs

Bridges

Parking

Sports facilities, stands and access stairs

Swimming pools, artificial lakes and ornamental fountains

Drinking water tanks

Industrial applications, waterproofing and protection of structures against chemical and mechanical aggression.

Protection of metal structures against corrosion and rusting

The result is a solid, highly elastic, solvent- and plasticiser-free membrane with 100% solids content, curing in seconds, continuous, without the need for joints or overlaps, which fully adheres to a wide variety of substrates, both horizontal and vertical, and which adapts to different geometries, however complicated they may be.

# ADVANTAGES

## DANOCOAT®

### WATERPROOF

Completely watertight product.

### GOOD DURABILITY

Useful life W3 25 years according to European Technical Assessment No. 17/0401 (E.T.E., former DITE).

### ADAPTABLE TO DIFFERENT GEOMETRIES

Continuous membrane without joints or overlaps, excellent adhesion to the substrate, adaptable to complicated geometries.

### GOOD CHEMICAL RESISTANCE

Resistant to stagnant water, resistance to strong chemical attacks, according to Standard UNE-EN 13529:2005, such as gasoline, diesel, motor oil, 20% sulphuric acid, 10% acetic acid, 20% sodium chloride, 20% sodium chloride.

### SUITABLE FOR DRINKING WATER CONTACT

Conforms to EN 12873- 2:2005, which establishes sanitary criteria for the quality of water for human consumption.

### SUITABLE FOR FOOD CONTACT

According to the tests for overall migration in aqueous food simulators by total immersion, according to EN 1186-3:2002.

### FINISH "COOL ROOFING"

Cool Roofing finish, Solar Reflectance Index SRI=106 (Solar Reflectance Index) in accordance with ASTM E1980-11, allowing compliance with LEED requirements for PS 7.2: Heat Island Effect: Roof, low slope roof SRI≥82.

### FAST CURING AND DRYING

Fast curing and drying.

### HIGH PROFITABILITY IN CONSTRUCTION

High profitability on site, any thickness is obtained in a single application, with very short execution times, not generating "nuisances" in rehabilitation works.

### HIGH ELASTICITY

>400% and crack bridging capability, even at low temperatures.

### ENVIRONMENTALLY FRIENDLY PRODUCT

Environmentally friendly, solvent-free and plasticiser-free product with 100% solid content.

### EXCELENTE RESISTENCIA

Excellent mechanical, abrasion and impact resistance. CE marked in accordance with Standard EN-1504-2:2005, products and systems for the protection and repair of concrete structures.



Member of



## GOOD FIRE BEHAVIOUR

Performance of construction materials and building elements: BROOF class (t1), according to EN 13501-5: 2007 + A1: 2010, in the section 5, tests of roofs exposed to external fire action, according to the test method defined in UNE CEN / TS 1187: 2013.

## THERMAL SHOCK RESISTANT

(125°C -60°C), according to EN 13687-5:2002.

## ROOT PENETRATION RESISTANT

## SUITABLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC

**100%  
solids**

**5-25 sec  
dry**

**up to 600%  
elasticity**

**100%  
pure**





# BUILDING SOLUTIONS

## Non-trafficable roofs

- LBM support
- Metal support
- Fibre cement support
- Wood support

**DANOCOAT®** solutions are versatile systems that can be used in different types and shapes of roofs.

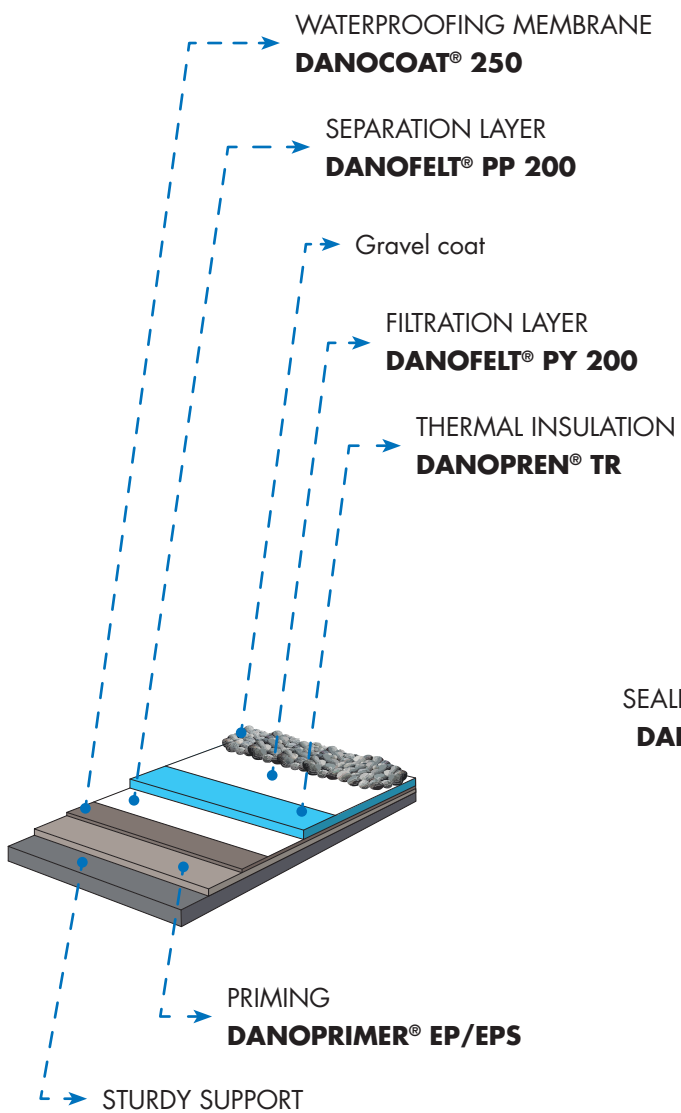
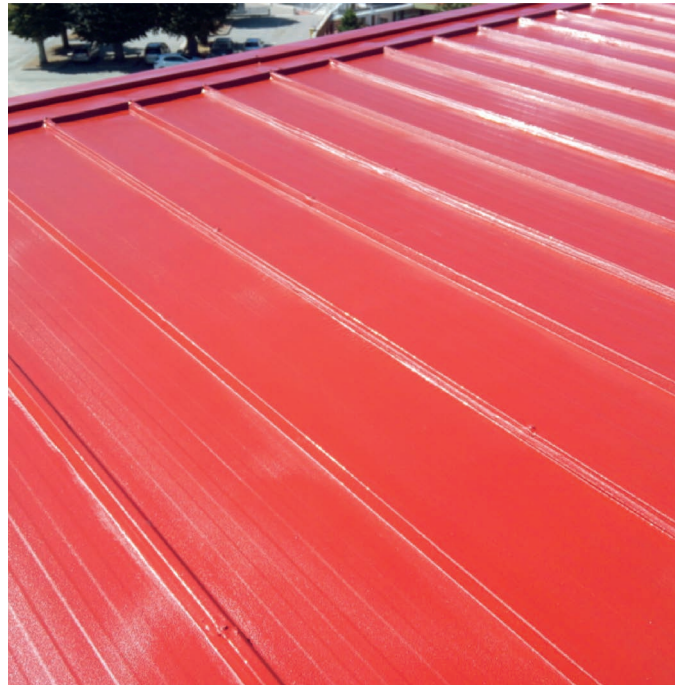
Their elevated elasticity allow bridging cracks, which can be used in new construction or in rehabilitation.

**DANOCOAT®** forms a continuous, jointless membrane with excellent adhesion to multiple substrates, with high UV and weather resistance.

### ADVANTAGES

- Continuous waterproofing and adaptability to different geometries.
- Excellent adherence
- Protection to the exposition to environment and contact with fibre cement.
- Protection against corrosion and rusting of metal tiles
- Short execution deadlines
- Without the necessity of withdrawing the previous waterproofing, not generating inactivity periods in the inside.
- Finish with U.V. protection and in different colors.



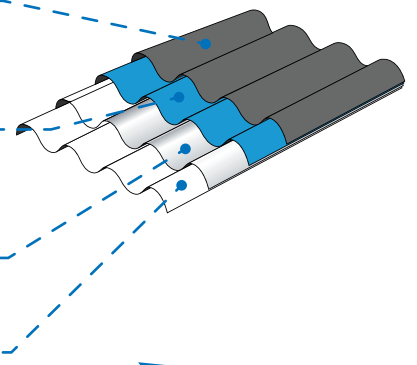


SEALING AND FINISHING  
**DANOCOAT® PAS 700**

WATERPROOFING  
MEMBRANE  
**DANOCOAT® 250**

PRIMING  
**DANOPRIMER® PU**

STURDY SUPPORT





# BUILDING SOLUTIONS

## Trafficable roofs

- Concrete support
- Ceramic support

**DANOCOAT®** solutions are versatile systems that can be used on different types and shapes of roofs.

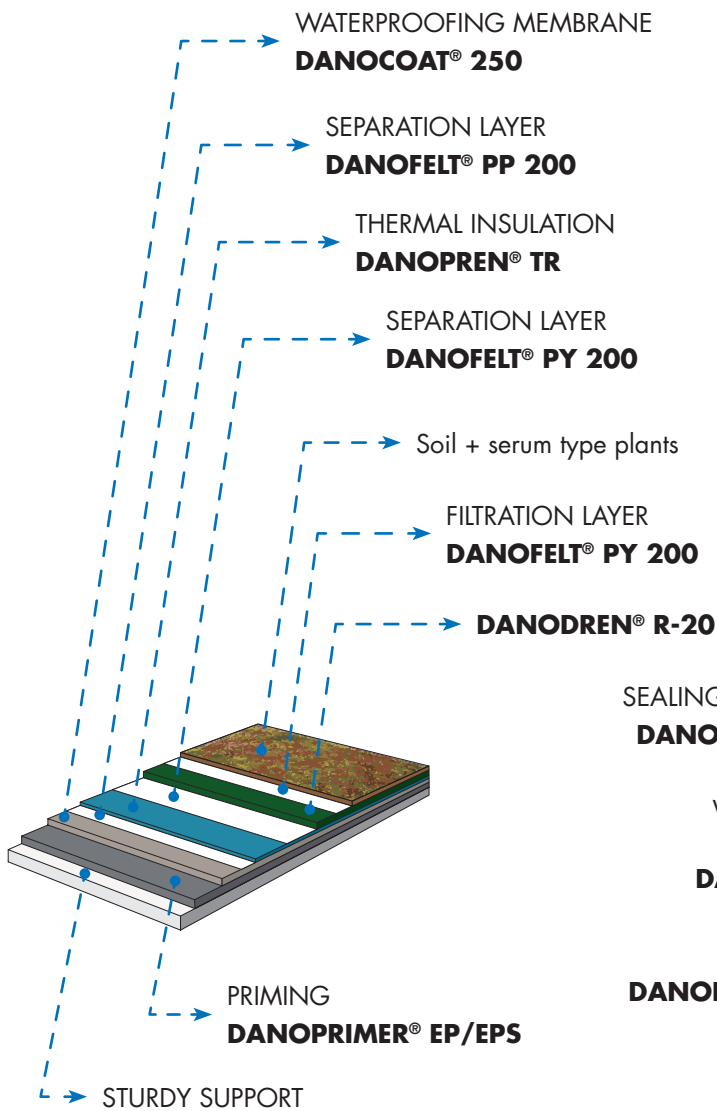
Their high elasticity allows bridging of cracks and can be used in new construction or in roof rehabilitation.

**DANOCOAT®** forms a continuous, jointless membrane with excellent adhesion to multiple substrates, with high UV and weather resistance.

### ADVANTAGES

- High abrasion resistance, weight loss of only 128 mg after 1000 cycles, according to EN 1504-2 the required value is <3000 mg.
- High elasticity, system fully adheres to the substrate with crack bridging capability



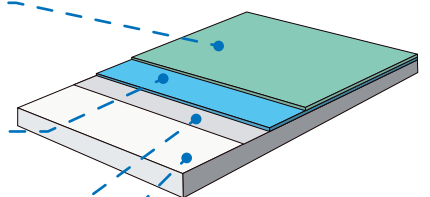


SEALING AND FINISHING  
**DANOCOAT® PAS 700**

WATERPROOFING  
MEMBRANE  
**DANOCOAT® 250**

PRIMING  
**DANOPRIMER® EP/EPS**

STURDY SUPPORT  
(concrete)





# BUILDING SOLUTIONS

## Technical roofs

BEFORE

**DANOCOAT®** solutions are versatile systems that can be used on different types and shapes of roofs.

Their high elasticity allows bridging of cracks and can be used in new construction or in roof rehabilitation.

**DANOCOAT®** forms a continuous, jointless membrane with excellent adhesion to multiple substrates, with high UV and weather resistance.

### ADVANTAGES

- Continuous waterproofing without joints or fragile points, suitable for roofs with multiple installations.
- Projected coating that adheres to different materials allowing for easier treatment of singular points.
- Adaptable to complicated geometries.





AFTER

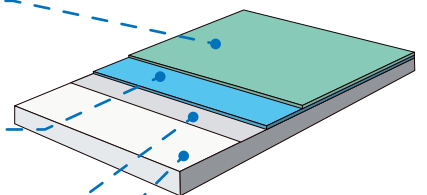


SEALING AND FINISHING  
**DANOCOAT® PAS 700**

WATERPROOFING  
MEMBRANE  
**DANOCOAT® 250**

PRIMING  
**DANOPRIMER® EP/EPs**

STURDY SUPPORT  
(concrete)



# CIVIL WORK SOLUTIONS

## Bridges



**DANOCOAT®** systems for waterproofing and protection of different structures in civil works allow to reduce and eliminate the deterioration of the supports caused by physical and chemical aggressions of external agents, whether meteorological or not, thus extending the useful life of the structures and facilitating their conservation.

DANOSA has European certification for **DANOCOAT®** systems for the protection and repair of concrete structures in accordance with EN 1504-2: 2005, and ETE certification for a service life of 25 years.

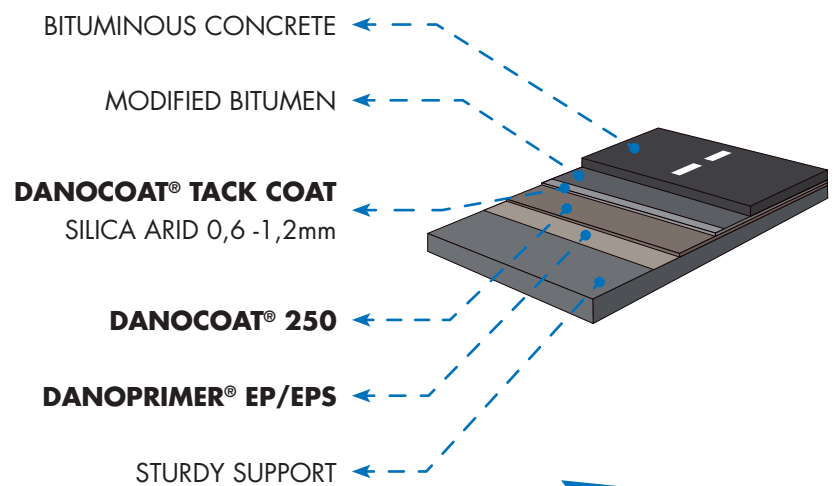
### ADVANTAGES

- Wide temperature range, between -60°C to 125°C according to EN 13687-5: 2002, allowing resistance to high and low temperatures and freeze-thaw cycles.
- Good chemical resistance such as petrol, diesel and de-icing salts used on roads, according to UNE-EN 13529: 2005.





- High elasticity and impact resistance, non-cracking, crack bridging capability even at low temperatures.



# CIVIL WORK SOLUTIONS

## Parking



**DANOCOAT®** systems for waterproofing and protection of different building structures reduce and eliminate the deterioration of the substrates caused by physical and chemical aggressions from external agents, whether meteorological or not, thus prolonging the useful life of the structures and facilitating their conservation.

DANOSA has European certification for **DANOCOAT®** systems for the protection and repair of concrete structures in accordance with EN 1504-2: 2005, and ETE certification for a service life of 25 years.

### ADVANTAGES

- Abrasion resistance for light vehicle traffic.
- Chemical resistance according to UNE-EN 13529: 2005 to petrol, diesel, motor oil and deicing salts.
- High elasticity >400% with crack bridging capability.
- Lightweight system (6 - 7 kg/m<sup>2</sup>) and no need for high loads.





- Mechanical treatment of the existing surface without the need to remove the top layer of worn concrete, resulting in faster execution and lower associated costs. Estimated two-week lead time for commissioning and circulation.
- Possibility of anti-slip finish Class 3 in accordance with the CTE DB SUA-1, according to the slip test of pavements, with  $R_d > 45$ , in accordance with the standard ENV 12633.

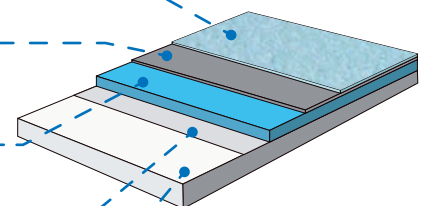
SEALING AND FINISHING  
**DANOCOAT® PAS 700** (EXTERIOR)  
**DANOCOAT® PU 300** (INTERIOR)

**DANOCOAT® PU 300**

WATERPROOFING MEMBRANE  
**DANOCOAT® 250**

PRIMING  
**DANOPRIMER® EP/EPs**

STURDY SUPPORT  
 (concrete)







# CIVIL WORK SOLUTIONS

## Grandstands, Squares and Common Areas

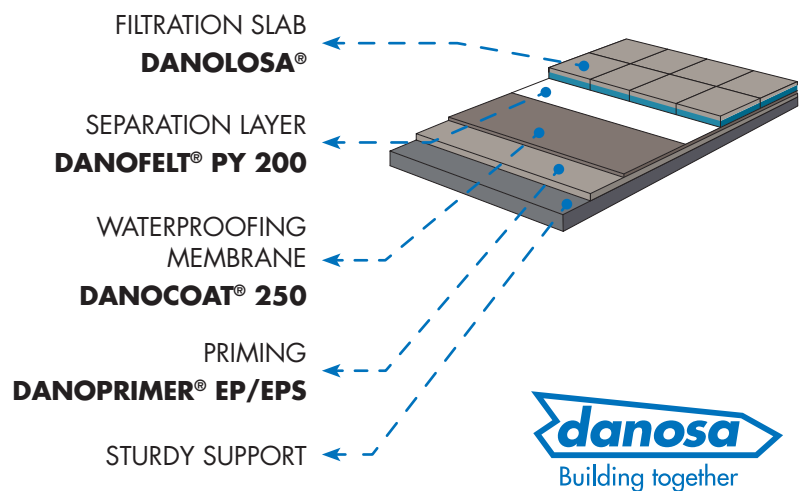
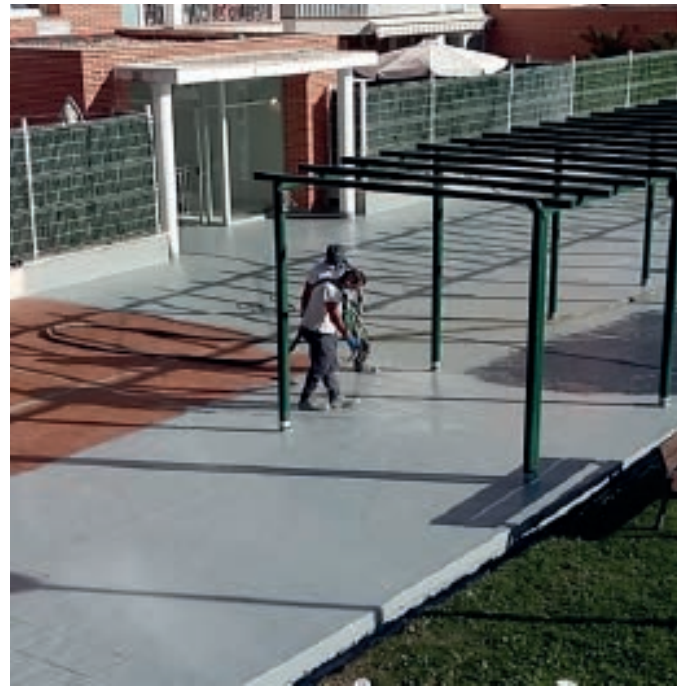
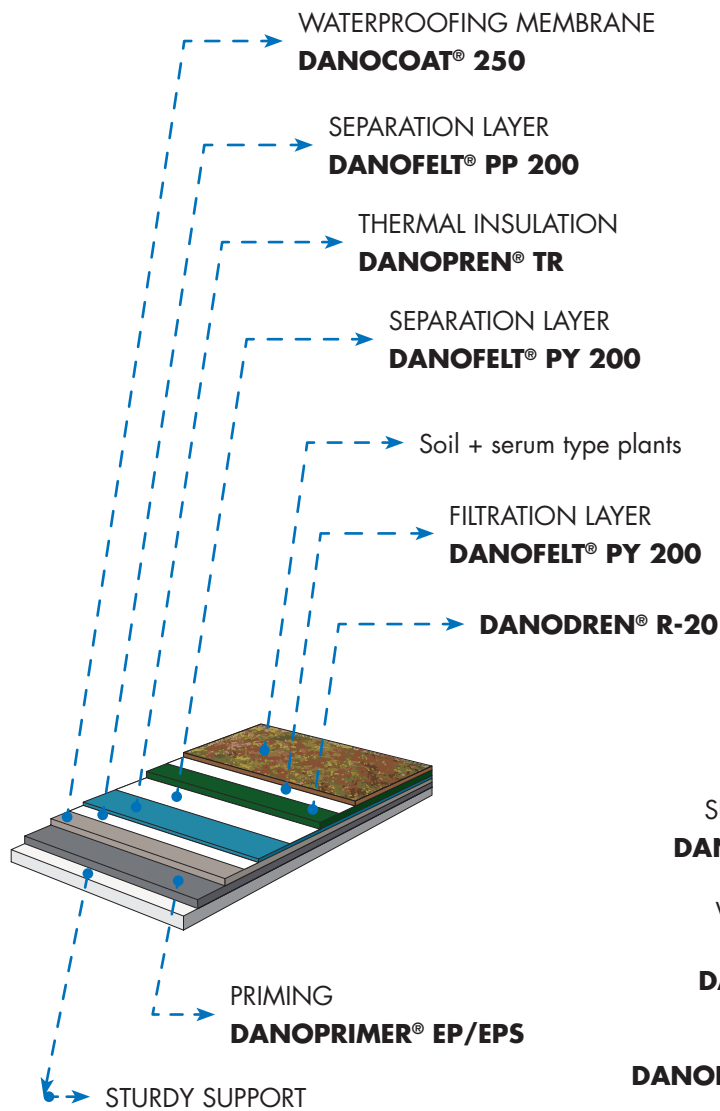
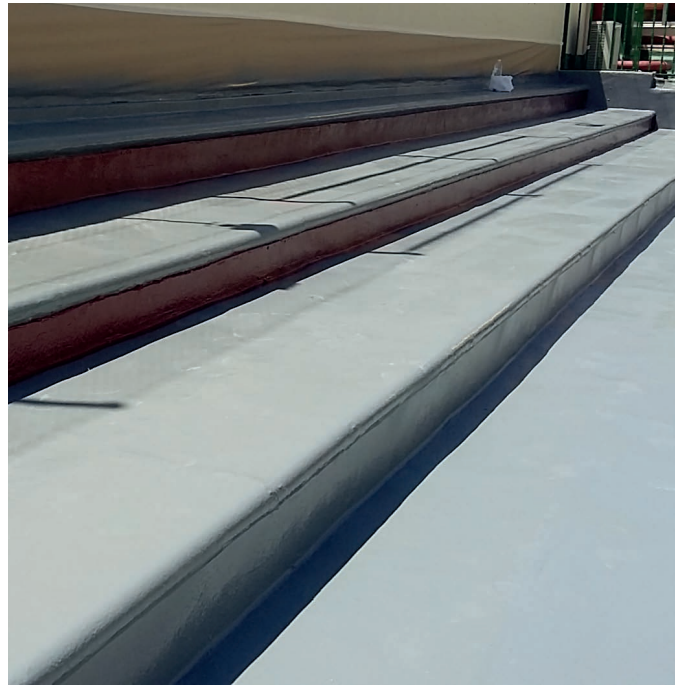
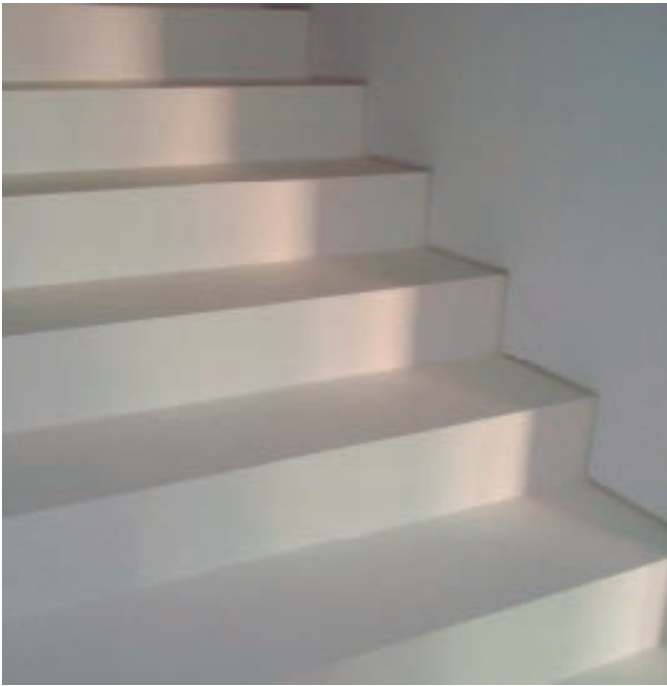
**DANOCOAT®** systems for waterproofing and protection of different building structures reduce and eliminate the deterioration of the substrates caused by physical and chemical aggressions from external agents, whether meteorological or not, thus prolonging the useful life of the structures and facilitating their conservation.

DANOSA has European certification for **DANOCOAT®** systems for the protection and repair of concrete structures in accordance with EN 1504-2: 2005, and ETE certification for a service life of 25 years.

### ADVANTAGES

- High resistance to abrasion
- Adaptable to different geometries
- Possibility of anti-slip finish Class 3 with  $R_d > 45$
- Aesthetic finish, possibility of finishing in different colours.









# CIVIL WORK SOLUTIONS

## Pools, Ornamental Fountains, Artificial Lakes

The definitive solution for waterproofing and coating swimming pools, ornamental fountains and other structures that need to be permanently immersed in water.

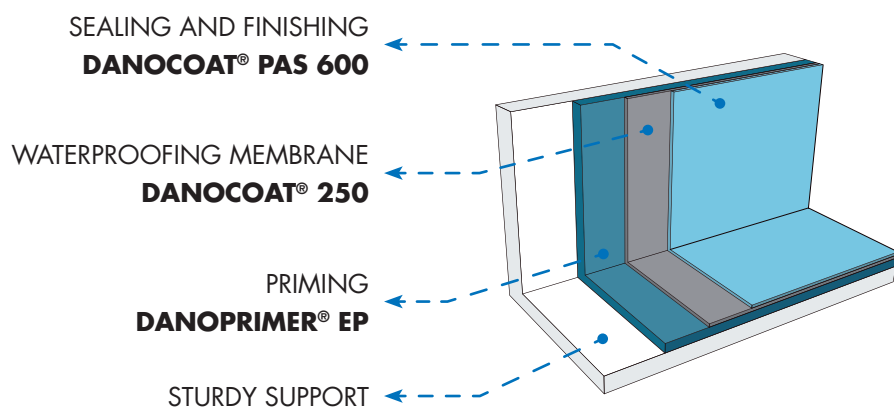
**DANOCOAT®** systems adapt to any shape and allow a continuous seamless finish.

The combination of high resistance to chemicals used for cleaning and maintenance, as well as resistance to sun exposure, provides an aesthetically pleasing and highly durable solution.

### ADVANTAGES

- Total immersion without suffering hydrolysis
- Chemical resistance to chlorine
- Continuous coating, easy to maintain and adaptable to any geometric shape
- Aesthetics, possibility of finishing in different colours







# INDUSTRIAL APPLICATIONS SOLUTIONS

**DANOCOAT®** systems can be applied on different types of substrates, regardless of their geometry. This factor, together with the mechanical and chemical resistance that characterises **DANOCOAT®** coatings, presents a clear advantage in different applications in the industrial field, offering waterproofing and protection in equal parts.

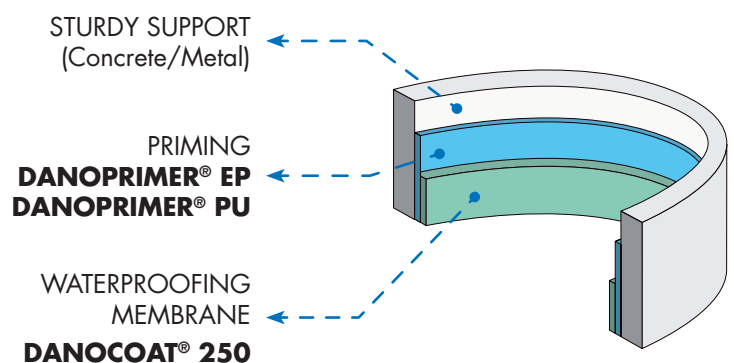
## ADVANTAGES

- Coating of retention and containment tanks
- Coating of drinking water tanks, suitable for contact according to EN 12873-2: 2005, establishing sanitary criteria of water quality for human consumption.
- Coating of cold rooms, floors and worktops. Suitable for food contact according to tests for overall migration in aqueous food simulators by total immersion, according to EN 1186-3: 2002.
- Metal structures protection against corrosion and rust, CE marked in accordance with EN 1504-2:2005, products and systems for the protection and repair of concrete structures
- Mechanical protection of surfaces exposed to constant physical aggression.
- Petrochemical, coating of tanks, pipelines and piping. Chemical resistance to compounds such as petrol, diesel, oils, acetic acid at 10%, sulphuric acid at 20%, sodium chloride at 20% and sodium chloride at 20%.





- Abrasion resistance. Pavement coating for waterproofing and protection against wear and impact. Weight loss of only 128 mg after 1000 cycles, according to the standard EN 1504-2 the required value is <3000 mg. Suitable for road traffic, with the possibility of anti-slip finish class 3 according to CTE DB SUA-1, with Rd > 45, according to EN 12633.
- Protection of machinery and industrial vehicles.
- Protection of piping, conveyor belts, etc., for the transport and storage of materials that cause continuous wear.





Sustainable solutions for the comfort and the quality of people lives



Building together

## **WATERPROOFING, INSULATION AND MORTARS** FOR NEW CONSTRUCTION AND REHABILITATION

Discover a world of DANOSA solutions  
**[www.danosa.com](http://www.danosa.com)**

### **DANOSA ESPAÑA**

#### **Factory, Central Offices and Logistics Center**

Polígono Industrial. Sector 9.  
19290 Fontanar, Guadalajara, España

Tel.: (+34) 949 888 210  
[info@danosa.com](mailto:info@danosa.com)

### **DANOSA FRANCE**

12, Avenue Arago.  
91420 Morangis, France

Tel.: (+33) 0 141 941 890  
[france@danosa.com](mailto:france@danosa.com)

### **DANOSA PORTUGAL**

Zona Industrial Da Zicofa. Rua da Sismaria, Lote 12.  
2415-809 Leiria, Portugal

Tel.: (+351) 244 843 110  
[portugal@danosa.com](mailto:portugal@danosa.com)

### **DANOSA UK**

Independence Unit 3, Stanbridge Road.  
PO9 2NS Havant, Hampshire, United Kingdom.

Tel.: (+44) 8450 740 553  
[uk@danosa.com](mailto:uk@danosa.com)

### **DANOSA MAROC**

14, Bd de Paris, 5ème Etage. Bureau n° 48.  
Casablanca, Maroc

Tel.: (+212) 522 221 153  
[maroc@danosa.com](mailto:maroc@danosa.com)

### **DANOSA ANDINA**

Cra. 7 #82-66. Oficina 311  
Bogotá D.C., Colombia

Tel.: (+57) 3173 729 559  
[andina@danosa.com](mailto:andina@danosa.com)

### **DANOSA MÉXICO**

Tel.: +00 52 155 356 769 52  
[mexico@danosa.com](mailto:mexico@danosa.com)

### **TIKIDAN**

Tikitar Estate, Village Road, Bhandup (West)  
400 078, Mumbai, India.

Tel.: (+91) 2241 266 666  
[info@tikidan.in](mailto:info@tikidan.in)



Download BIM libraries  
for products and systems

