



WATERPROOFING

AT THE FOREFRONT OF CONSTRUCTION CHEMISTRY

www.wedvelopvalue.com



WE FORMULATE, MANUFACTURE AND DISTRIBUTE TECHNOLOGICALLY ADVANCED CHEMICAL PRODUCTS



TECNOPOL is a chemical company founded in 1996 devoted to the development, formulation and manufacture of technologically advanced, high quality construction products for waterproofing, insulation and flooring.

TECNOPOL is currently the European leader in the manufacture of liquid membranes designed for waterproofing, and its products have achieved maximum recognition from the principal international bodies, obtaining a number of certificates including the ETA, BBA, DTA and ASTM standards.



With headquarters in Barcelona (Spain) and a presence in 5 continents through its business partners, TECNOPOL now distributes its products in more than 60 countries worldwide.



WE PROVIDE SUPPORT FOR ALL YOUR PROJECTS



1. Prescription

We will analyze your waterproofing or insulation requirements in detail and advise you on the most suitable system. We will then supply the products together with the documentation required according to the particular project.



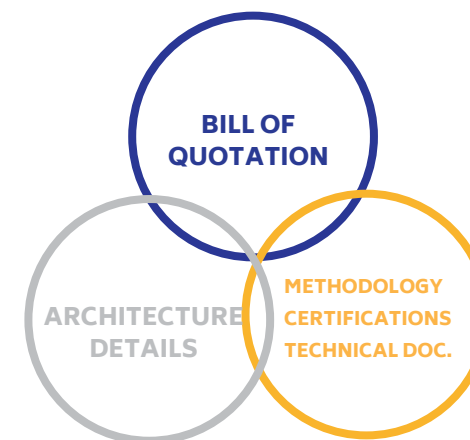
2. Full technical assistance

We will answer all your questions on the application and characteristics of particular products before, during and after execution. We provide expert advice on the installation of waterproofing and insulation systems.



3. Training for users

We offer ongoing training courses to help users confront any situation which may arise in the course of the construction project. Tecnopol has a training offer, TecnopolAcademy, with the aim of transmitting professional and environmental standards to enhance the waterproofing profession.



WATERPROOFING

WATERPROOFING systems renowned for their **RELIABILITY, EFFICIENCY** and **VERSATILITY**.

The DESMOPOL and TECNOCOAT liquid waterproofing systems are the result of our perseverance in the development of very high performance products that are at the forefront in terms of efficiency, reliability and durability. Our membranes have been developed with the aim of obtaining excellent finishes with an optimisation of costs and exceptional commissioning times.





OUTSTANDING QUALITY MEMBRANES OF HIGH PERFORMANCE

Large-scale projects place ever greater demands on businesses, meaning that nothing can be left to chance and we always need to rely on the best allies.

TECNOCOAT has an essential role to play in such situations, and has established itself as the leading pure polyurea in Europe and one of the best waterproofing membranes on the market. Its chemical and mechanical properties have made it an ideal product for all locations, easily adapting to all types of geometry with no visible joins or overlaps and 100% surface adhesion.





PROPERTIES WHICH PROVIDE ADDED VALUE



Completely watertight.
100% waterproof



Fast drying
(just 5 seconds)



DTA / ETE / BBA
certified for 25 years



No seams
or overlaps



100% substrate
adhesion



Adapts to any shape
or geometry



Suitable for
pedestrian traffic



Suitable for
road traffic



Excellent adhesion to all
types of surfaces



Excellent chemical and
mechanical resistance



Weather
resistant



Extremely resistant to
high temperatures



Can be applied even
with zero pitch



Protects against
corrosion, rust and wear



Approved for contact
with potable water

FAST SETTING

Dry to the touch: 5 seconds | Pedestrian traffic: 12 hours | Vehicle traffic: 24 hours



COLD WATERPROOFING FOR THE MOST CHALLENGING PROJECTS

Tecnocoat CP-2049 Plus represents the logical evolution of cold-applied waterproofing products, intended for various uses in the world of residential, commercial and industrial construction. A product that contributes to the already existing cold application systems based on polyurethanes, superior mechanical characteristics to be able to face uses and types of applications with new limits, such as, for example, its application in areas with vehicular traffic.

This two-component product can be applied on a single self-levelling layer using a notched trowel, squeegee. Quickly, comfortable and with an initial drying time of only 90 minutes.

Given its characteristics, it has obtained a European Technical Assessment granted by EOTA as a liquid waterproofing system for roofs.





THE EVOLUTION OF MANUAL APPLICATION AS THE BEST OPTION



Completely watertight.
100% waterproof



Fast drying
(just 5 seconds)



DTA / ETE / BBA
certified for 25 years



No seams
or overlaps



100% substrate
adhesion



Adapts to any shape
or geometry



Suitable for
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Suitable for
road traffic



Excellent adhesion to all
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Excellent chemical and
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Weather
resistant



Extremely resistant to
high temperatures



Can be applied even
with zero pitch



Protects against
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Approved for contact
with potable water

FAST SETTING

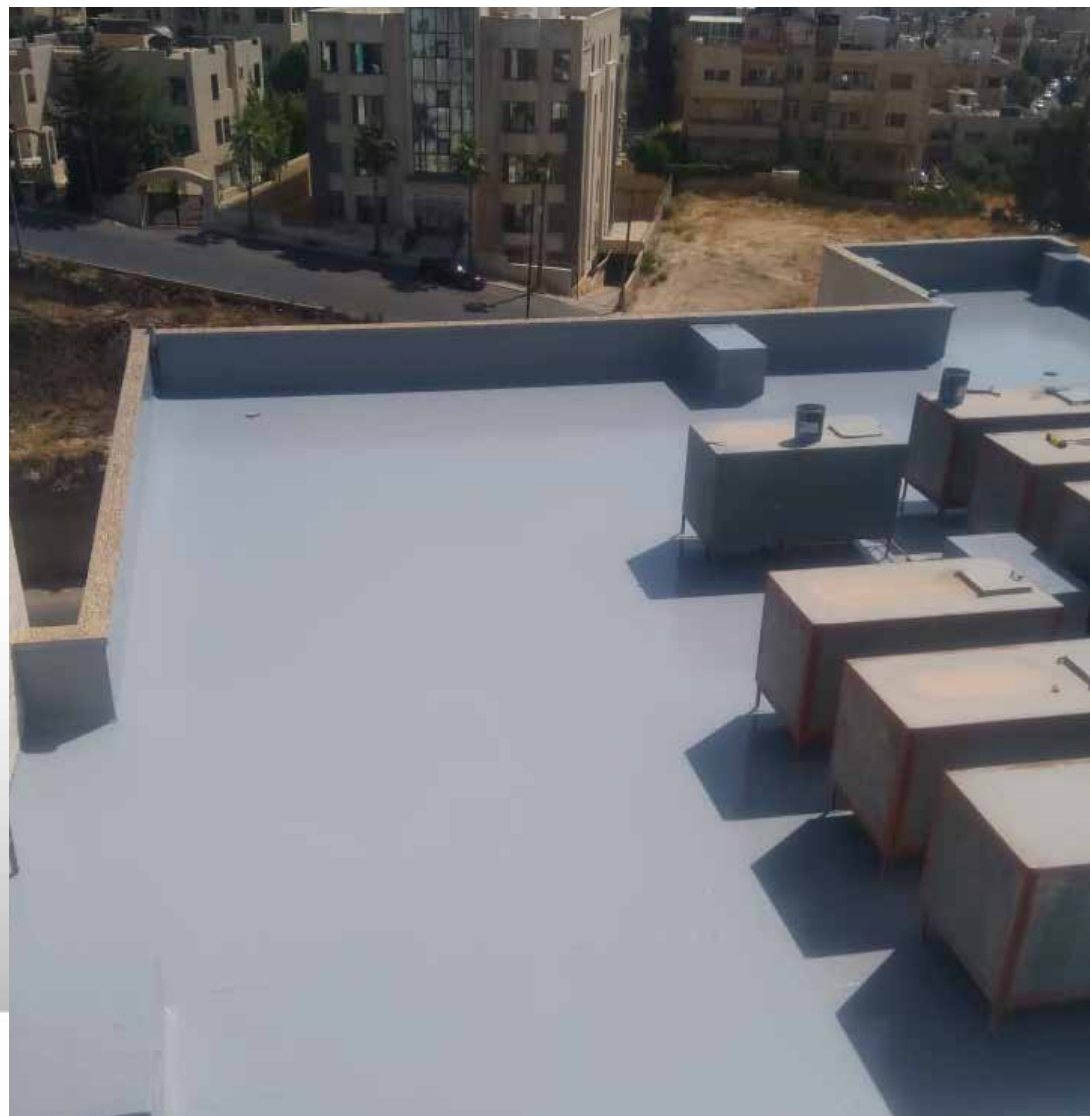
Dry to the touch: 5 seconds | Pedestrian traffic: 12 hours | Vehicle traffic: 24 hours



THE MANUAL APPLICATION MEMBRANE WITH A 25 YEARS APPROVAL

DESMOPOL membrane is a single-component polyurethane with unusual characteristics: it allows more than 600% stretching and a traction resistance of up to 5 MPa. These features make it extremely versatile and suitable for use on almost all surfaces and types of construction.

Furthermore, DESMOPOL may be used with the addition of DESMOPLUS, allowing a single-coat, self-levelling application, with up to 2 mm thickness, thus reducing drying time to under 2 hours, allowing significant reduction in execution time.





EXCEPTIONAL PROPERTIES



Completely watertight.
100% waterproof



ETA / BBA certified
for 25 years



Anti-root
certified



No seams
or overlaps



Fully
adhered



Can be applied even
with zero slope



Suitable to
pedestrian traffic



Apt for
road traffic



Adapts to any shape
or geometry



Excellent adhesion
to all surfaces



Extremely resistant to
high temperatures



Weather
resistant

FAST SETTING

Initial drying: <1.5 hours

A top-down view of a person wearing a yellow knit sweater working on architectural blueprints. The person's hands are visible, one holding a pen and the other a ruler. A blue mug of coffee sits on the desk. The blueprints are spread out on a wooden desk, and a smartphone is visible in the bottom left corner. The text 'CASES STUDIES MULTITUDE OF SYSTEMS' is overlaid in white, bold, sans-serif font in the center of the image.

CASES STUDIES MULTITUDE OF SYSTEMS

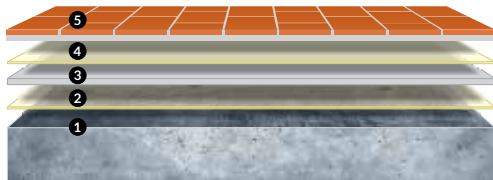
Multitude of SYSTEMS AND SOLUTIONS for all type of works.

TECNOPOL formulates and develops liquid systems to waterproof all types of construction and industrial elements, creating safety and global protection for our customers and clients. The technical solutions are multiple, here are some examples.

NEW BUILD FLAT ROOF new construction



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. TECNOTOP finish layer



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. PRIMER
5. Ceramic tiles



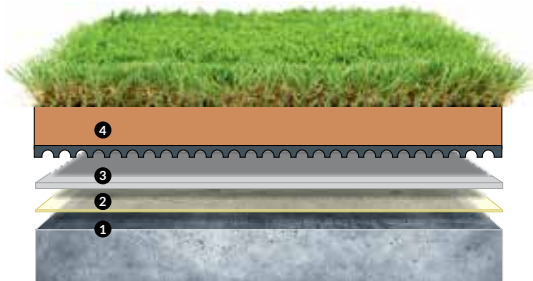
SURFACE RENOVATION rehabilitation



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. TECNOTOP finish layer



GREEN ROOF



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. Garden finish



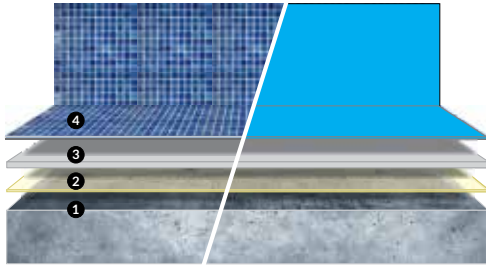
Flooring subject to
vehicle traffic



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. TECNOTOP finish layer



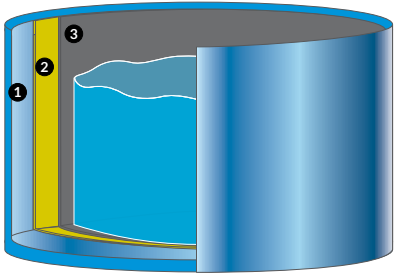
Construction & renovation of swimming pools



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. TECNOTOP 2CP finish layer



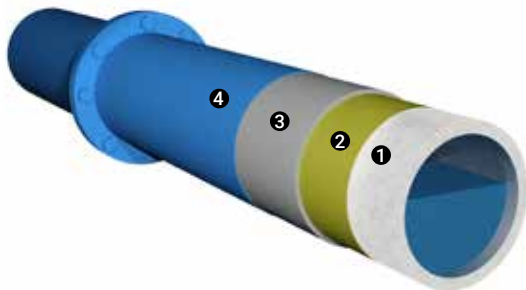
Tanks & cisterns



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL DW membrane



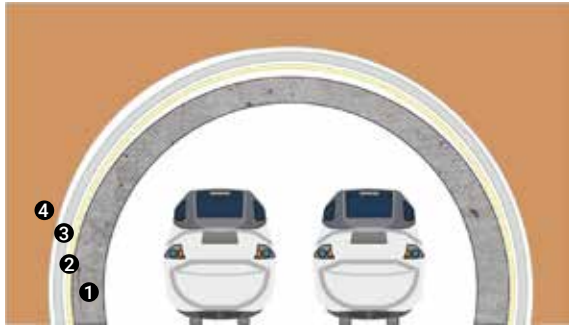
Industrial coatings



1. Surface preparation
2. PRIMER
3. TECNOCOAT membrane
4. TECNOTOP finish layer



Tunnels



1. Substrate preparation
2. PRIMER
3. TECNOCOAT membrane
4. Fill soils



Bridge linings and civil sector elements



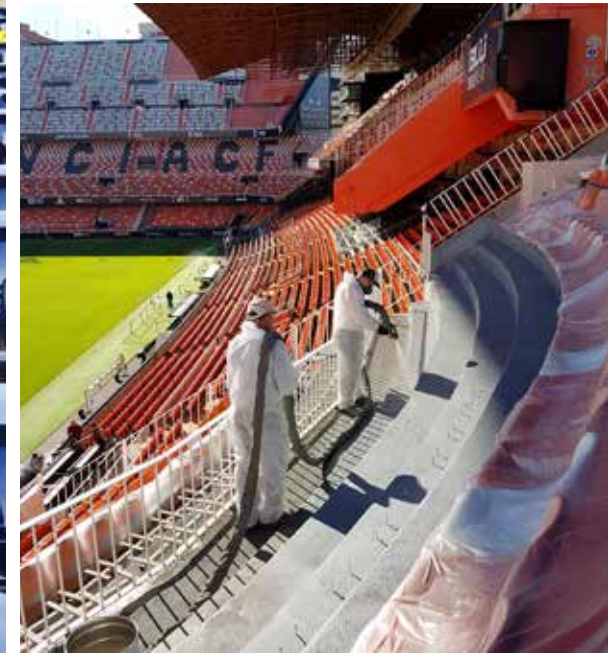
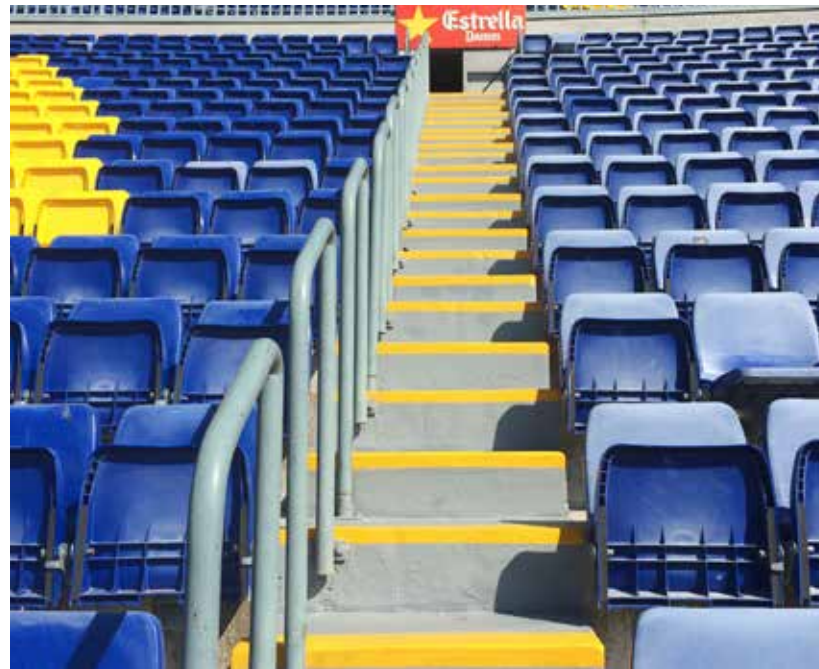
1. Substrate preparation
2. PRIMER
3. TECNOCOAT membrane
4. Asphalt road



Stadium grades



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. TECNOTOP finish layer



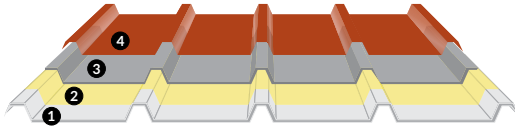
Concrete deck and foundations



1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. Fill soils



Fiber-cement, asbestos
or metal corrugated plates



METALLIC ROOFING

1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. TECNOTOP protection



Insulated roofs



INSULATED ROOF

1. Substrate preparation
2. TECNOFOAM spf foam
3. TECNOCOAT / DESMOPOL membrane
4. TECNOTOP protection



IRMA SYSTEM ROOF

1. Substrate preparation
2. PRIMER
3. TECNOCOAT / DESMOPOL membrane
4. Thermal insulation plates
5. Gravel or similar



Decorative elements



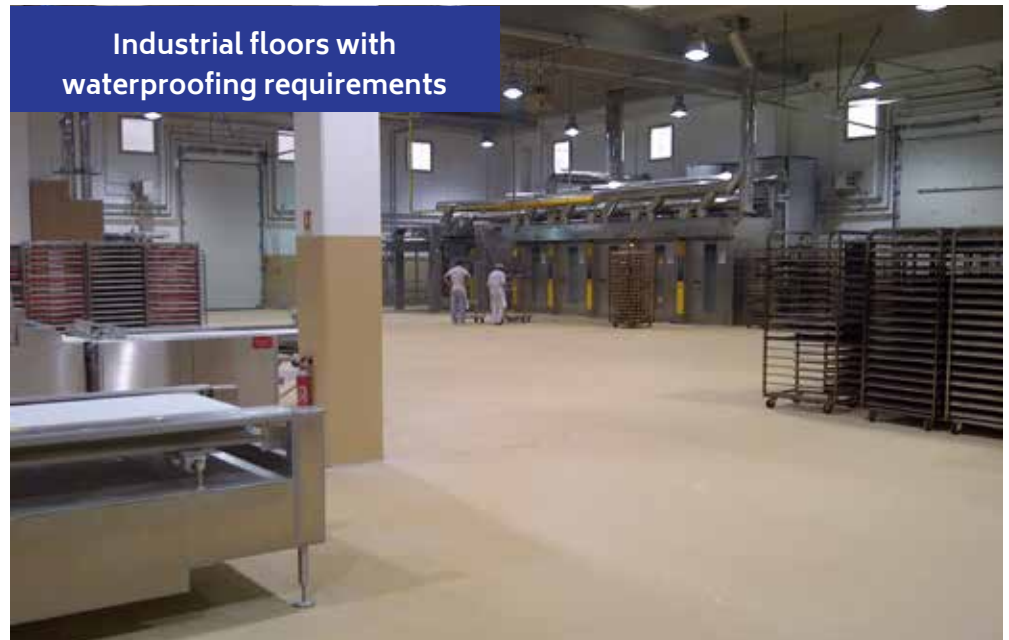
Bedliner



Indoor wet areas, bathrooms
and changing rooms



Industrial floors with
waterproofing requirements



APPROVALS



EUROPEAN TECHNICAL ASSESSMENT (ETA) ROOF WATERPROOFING

ETA certification (w3 25 years of useful life). This standard is based on the European Technical Approval Guide (ETAG) No. 005 which approves the suitability of the system as a "Waterproofing system for roofs applied in liquid form".

This standard includes the EN-13948 certificate of resistance to the penetration of plant roots in the use of the product on roof gardens (green roofs).

BRIDGE DECKS

This standard is based on the European Technical Approval Guide (ETAG) No. 033 which approves the suitability of the product as a "Waterproofing system for bridge decks applied in liquid form" (waterproofing under asphalt).



EN 1504-2 STANDARD FOR THE PROTECTION & REPAIR OF CONCRETE STRUCTURES

EN 1504-2 standard for products and systems used in the protection and repair of concrete structures under which both systems issue their Declaration of Performance.



BBA CERTIFICATE UK TECHNICAL SUITABILITY DOCUMENT

Holder of the BBA certificate for use on the British market (w3 25 years of useful life) as a liquid application waterproofing system for roofs; which regulates aspects such as resistance to bad weather, reaction to fire, resistance to traffic and resistance to penetration of plant roots including use on green roofs.



CSTB CERTIFICATE

TECNOCOAT holds the AVIS TECHNIQUE DTA (Technical Application Document) certificate as a resin-based on-site liquid waterproofing system for transitable, non-accessible and gardened roofs.



ASTM CERTIFICATIONS

ASTM approved in accordance with a full range of USA regulations.



NSF INTERNATIONAL LABORATORIES CERTIFICATE

SUITABILITY FOR USE IN CONTACT
WITH WATER DESTINED FOR HUMAN
CONSUMPTION

Passed all testing conducted by the NSF laboratories to determine suitability for use in contact with water destined for human consumption.



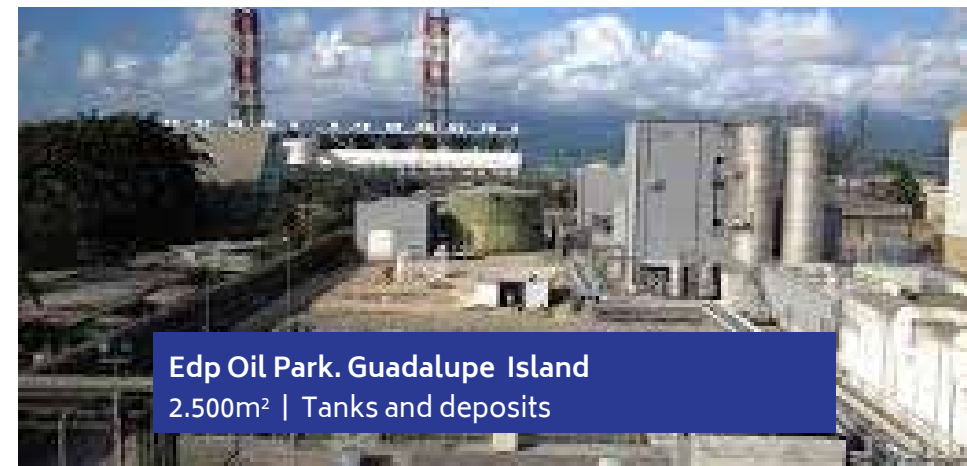
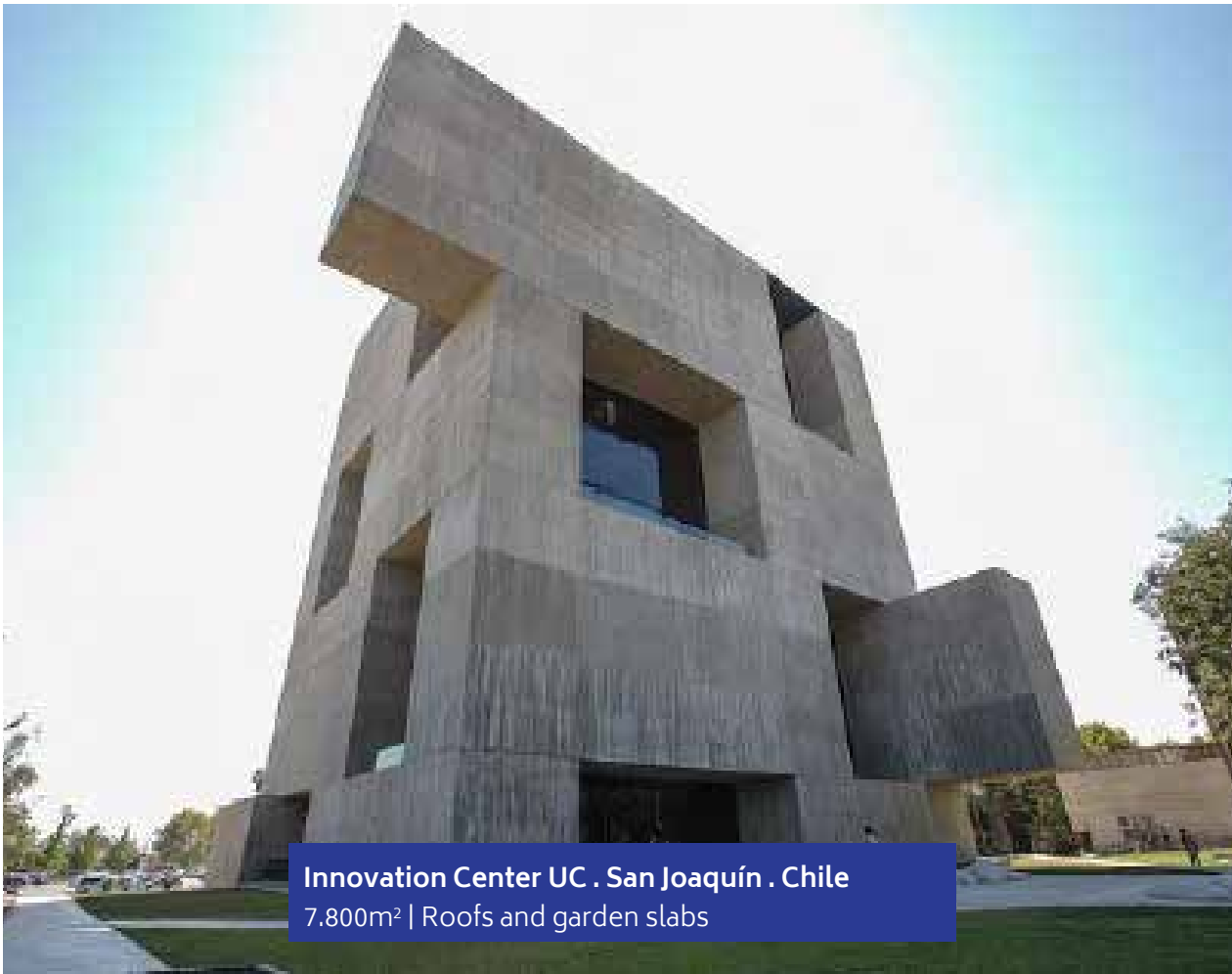
SAFETY CERTIFICATE FOR CONTACT WITH FOOD PRODUCTS

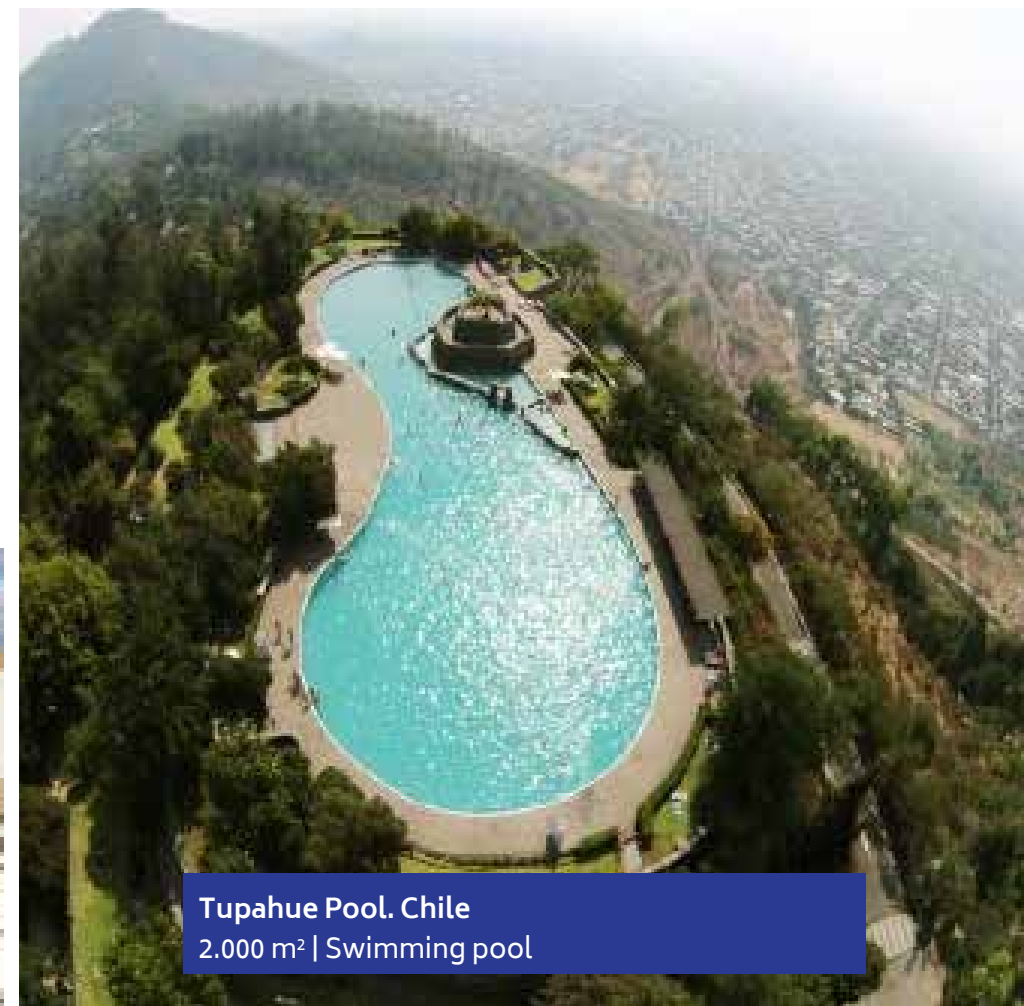
MIGRATION-FREE FOR CONTACT WITH FOOD
PRODUCTS

Holds certification issued by Eurofins which declares the migration on contact with tested food products to be below the permitted global limits, making it suitable for use in this type of application.

PROJECTS UNDERTAKEN

WHICH NOW PRESENT NO WATER THREATS

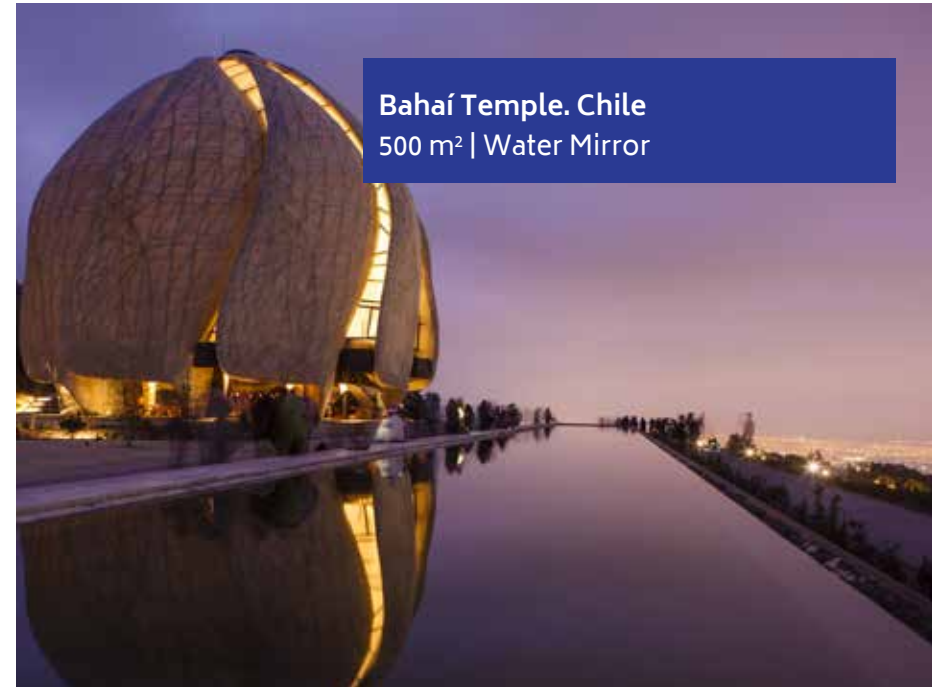




Tupahue Pool. Chile
2.000 m² | Swimming pool

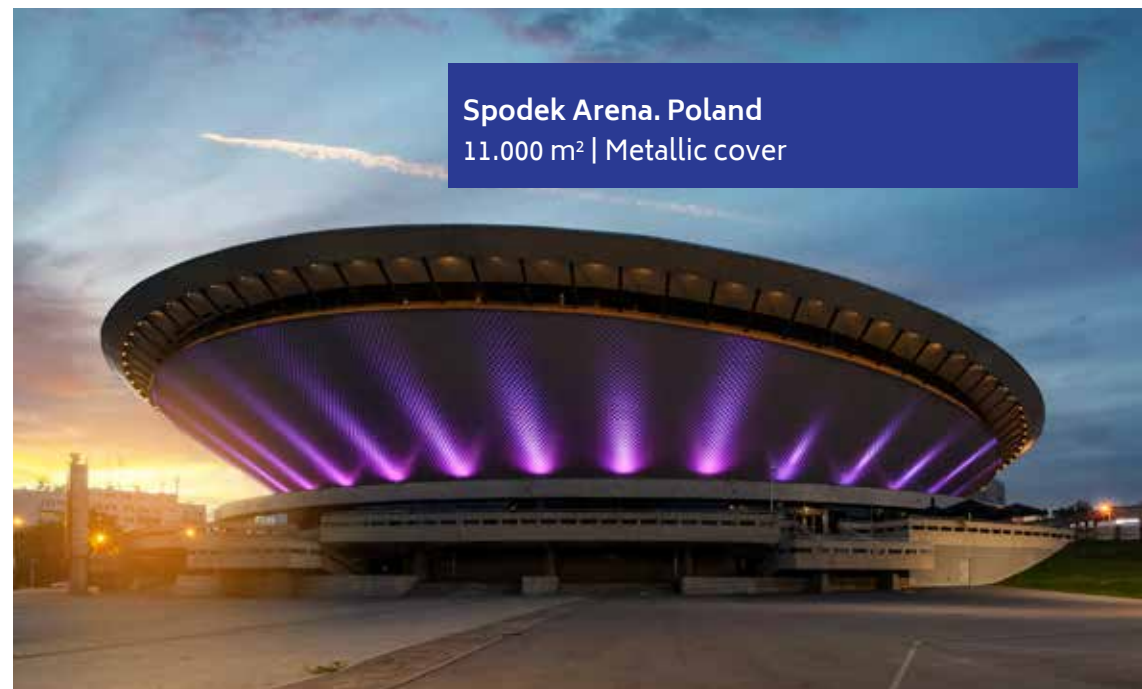


Desalination Plant | Spain
900m² | Industrial Coating





Metro Delhi . India
50.000m² | Waterproofing of structures



Spodek Arena. Poland
11.000 m² | Metallic cover



Edificio K-29. Lithuania
4.700 m² | Roof and parking



Prbb building. Spain
450 m² | Flooded flat roof



INSULATION

EFFICIENT, VERSATILE and EASY TO APPLY THERMAL INSULATION SYSTEMS

The high insulation capacity of polyurethane cannot be achieved in construction with any other material. Continual application over the surfaces eliminates thermal bridges and, as a result, reduces energy consumption and minimizes costs in heating and air conditioning. Our systems have been specially formulated to offer ideal mechanical properties for building and industry applications, as well as providing excellent thermal insulation.



RESIDENTIAL APPLICATIONS WITH DENSITIES OF BETWEEN 8 AND 60 KG/M³



Wall and ceiling interiors

±20
kg/m³



±30
kg/m³

Interior cavities, inverted roofs,
ventilated facades, etc.



Transitable flat roofs

±60
kg/m³



Wall and ceiling interiors

±8
kg/m³



Vehicle traffic floorings

±60
kg/m³



Injection in interior cavities for
acoustic insulation

±8
kg/m³



Transitable flat roofs and
underfloor heating

±40
kg/m³

TECNOFOAM HFO RANGE

CLOSED-CELL EXPANSION ENERGY

Systems with a high closed-cell content provide excellent resistance to water vapour absorption, which translates into better waterproofing of the building element, whether the roof or facade. In addition, the high reactivity of the gas enables application in all climates, with great advantages particularly in cold environments.

TECNOFOAM HFO complies with environmental regulations for the emission of fluoride gases in the European Union.

1
GWP

0
ODP

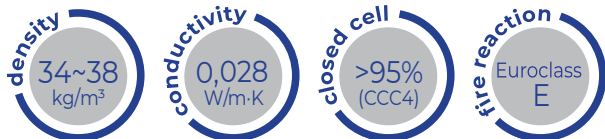


A foam which allows a complete and continuous thermal insulation system for construction and industry applications as well as all types of livestock and farming installations. Especially recommended for use on the underside of roofs, interior cavities, ventilated facades and paneling in general.

The most versatile closed-cell foam thanks to its medium density. Widely used as a thermal insulation for all types of residential, commercial and industrial applications, as well as transitable roofs and interior floorings. Recommended for locations with underfloor heating systems.

In addition to its use in all types of insulation, its high resistance to compression makes it the preferred foam for the insulation of transitable roofs and interior floorings.

In conjunction with the TECNOCOAT P-2049 waterproof membrane, it enables the creation of completely secure roofs.

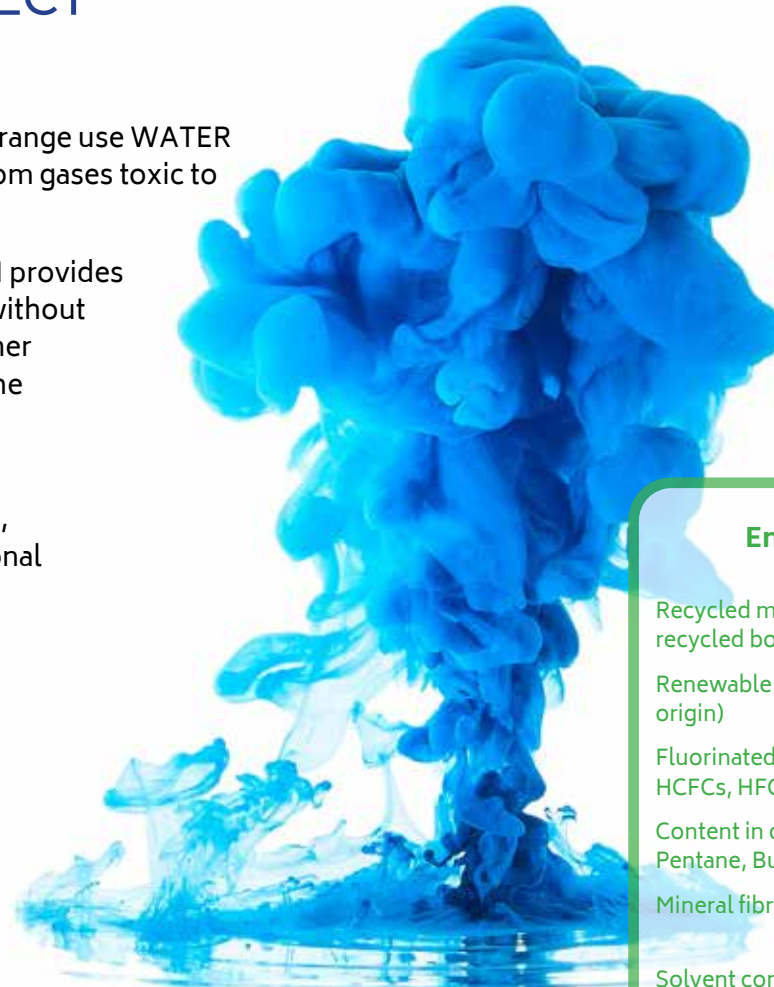


WATER AS AN EXPANSION AGENT FREE FROM CONTAMINATING GREENHOUSE EFFECT GAS EMISSIONS

The most ECO- friendly TECNOFOAM range use WATER as an expansion agent, which is free from gases toxic to the environment.

In addition, water-based TECNOFOAM provides completely stable and inert systems, without the emission of any toxic particles, either during the application process or for the length of its useful life.

The thermal conductivity remains stable from the moment of application, generating layers with a high dimensional stability.



Environmental Information

Recycled material content (PET from recycled bottles)	18%
Renewable material content (Plant origin)	21%
Fluorinated Gas content (CFCs, HCFCs, HFCM HFOs)	0%
Content in other blowing gases (HC, Pentane, Butane, Cyclopentane,...)	0%
Mineral fibre content	0%
Solvent content	0%



Foam designed and developed for thermal and acoustic insulation of residential buildings, especially recommended for application on interior walls and floors. Provides maximum coverage on wood and laminated structures.



Medium density foam for the insulation of interior wall cavities, ventilated facades and livestock, agricultural and industrial installations. This foam enables considerable thickness with minimum consumption.



Medium density foam for the insulation of interior wall cavities, ventilated facades and livestock, agricultural and industrial installations. This foam enables considerable thickness with minimum consumption.



Foam designed and developed for use in thermal insulation on construction and industrial projects. It is recommended for application on interior wall cavities and ventilated facades as well as all types of livestock and farming installations.



THE WATER-BASED TECNOFOAM RANGE ALLOWS APPLICATION IN THICK COATS, MINIMIZING CONSUMPTION AND COSTS



Efficient insulation system with high resistance to compression which allows use on transitable roofs, interior flooring and locations with underfloor heating systems.



System specifically designed for thermal insulation of transitable roofs in buildings and industrial projects, particularly recommended for those requiring special fire-resistant properties.



Medium-high density foam, with high resistance to compression, especially recommended for the thermal insulation of transitable roofs and interior floorings. Also suitable for areas with vehicle traffic.



TECNOFOAM + LOW VISCOSITY POLYUREA

A DUO WHICH PROVIDE 100% SECURE AND EFFICIENT ROOFS

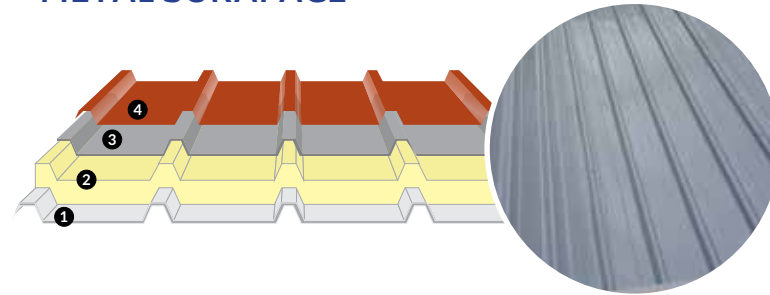
TECNOFOAM polyurethane foams together with low viscosity TECNOCOAT P-2049 LV polyurea allow the construction or renovation of roofs, offering excellent thermal insulation along with full surface waterproofing.

The low viscosity of TECNOCOAT P-2049 LV enables application with the same projection equipment used for the foam.

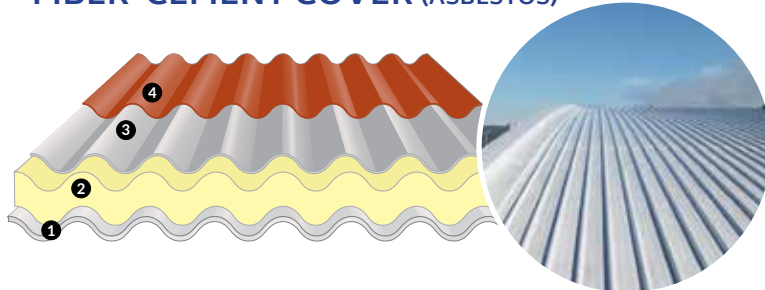
TRADITIONAL COVER



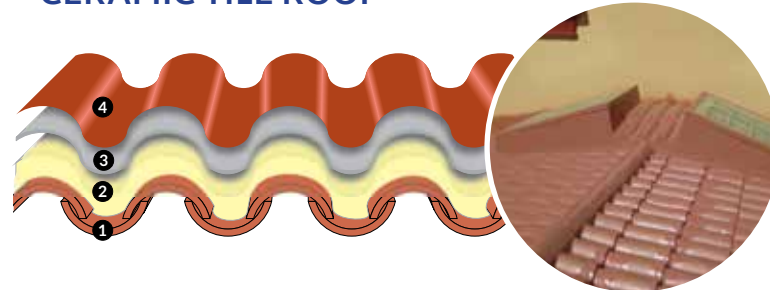
METAL SURFACE



FIBER-CEMENT COVER (ASBESTOS)



CERAMIC TILE ROOF



1 Substrate 2 Tecnofoam G-2040 / G-2050

3 Tecnocoat P-2049 LV 4 Tecnotop 2C

TECNOFOAM INJECTION

INSULATION WHICH REACHES INTO ALL THE CORNERS

The TECNOFOAM injection systems are specially formulated for applications which require a continual injected thermal insulation system. Suitable for both construction and industrial installations in general and available in two densities: 15 and 35 kg/m³.



WATER-BASED, 100% ECOLOGICAL

Injection system widely used in construction, principally for interior wall cavities. Ideal in renovation projects requiring thermal insulation capabilities which were either initially absent or need replacement.



MAXIMUM EXPANSION, CLOSED CELL

System specially designed as a thermal insulation for industry. Widely used as a filler for refrigerators, pipes and industrial parts of all types. In general, it is employed in all applications where a continual injection of insulating material is required.



Waterproofing





RECOGNITION, PEACE OF MIND & CONFIDENCE SUCCESS AND THE SATISFACTION OF A JOB WELL DONE

For a professional there is nothing more gratifying than receiving recognition from their clients. At TECNOPOL we work constantly to supply products of the highest quality, fully tested and certified, together with the full support of our service team and technical experts. In short, we offer the peace of mind and confidence to enable you to fully focus on what is most important - namely your project.

We are fully committed to further innovation and to continue manufacturing state of the art products that will allow our clients to obtain successful results on every project they undertake in the future.







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