

System AQUAPRO® PY2000

CONTINUOUS SYSTEM OF WATERPROOFING, BASED ON TWO-COMPONENT MEMBRANE IN A LIQUID STATE, AQUAPRO® PY 01 IS PRODUCED BY REACTIVE PROJECTION (BY HEATING IT AT 75°C), AND THIS SYSTEM PROVIDE A WEATHERPROOF FINISH.



DESCRIPTION

Protective coating, 100% waterproof, extreme rapidity curing time, based on highly reactive diamines, of maximum flexibility and elasticity (400%) that protects of incomparable way any surface with damages due to the wearing down corrosion, abrasion or impact.

Being absolutely stable mechanics and chromatically against the damaging effects of UV-radiation, by means of coating of aliphatic-finish.

FEATURES

- | System with absolute adhesion to the support in any position, horizontal, vertical or upside-down.
- | Almost immediate return-to-service time (cured to tact 4", total vehicular traffic 3 ~ 4h and implementing less of 24h)
- | Adaptable systems to any architectonic geometry even with sever complexity, and excellent adhesion on multitude of surfaces. Concrete, Metal, Steel, Wood, Polyester, Heat-insulating foam...
- | Productive high performances (> 500 m² / day). Allowing applying in a single coating the thickness wished in function of the final use for each project.
- | Mechanical application by means of sophisticated equipment of hot projection. Volumetric relation digitized 1:1
- | Passable system: PEDESTRIAN – ROLLED
- | High thermal stability -40°C + 180°C
- | Continuous system, without joints nor overlapping
- | Anti-root system
- | Lifetime Product Certified for 25 years, according to the CSIC – "Instituto Oficial de Ciencias de la Construcción Eduardo Torroja - ETE N° 14/0430".
- | System of excellent resistance outdoors and UV-radiation. Chromatic and mechanical stability.
- | System of high chemical resistance, abrasive and corrosive.
- | Resistant system to chlorides and to chemical compound for purifying water treatments in swimming pools and water purifiers.
- | **THE ONLY SYSTEM ABLE TO BESTOW COUNTLESS WATERPROOF QUALITIES IN ITSELF, i.e.: IMPERMEABILITY, RESISTANCE TO TRACTION, ELONGATION, CHEMICAL ATTACK, CORROSION, ABRASION OR IMPACT.**



(PROJECTION EQUIPMENT
HOT REACTOR E-XP2)

| **Industrial note:** Coefficient of risk by pathologies of the system, derived from an evil use, lack of protection or vandalism during the executive process of the project, it is **incomparably lower** than any other system of waterproofing.

System

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I MAIN APPLICATIONS

WATERPROOFING

- | Waterproof for all type of covers and structures, public and civil buildings or residential infrastructures. Surfaces without intention to be cover and therefore to be exposed to UV-radiation.
- | Railway infrastructure coating, hangars, ports, bridges and boards.
- | Waterproofing and Protection of asbestos cement, heat-insulating, metal decks, wood covers, clay roofing tiles and other elements set out outdoors.
- | Works of rehabilitation to covers, without needing to remove neither previous waterproofing nor being cladding. (Overloads structural)

DEPOSITS AND HYDRAULIC INFRASTRUCTURES

- | Waterproof for deposits, lakes, unnatural lagoons, pools, rain tanks and irrigation channels.
- | In the protection of the concrete in water purification plants, desalination, deposits of industrial remainder, sewage systems and drains.
- | Waterproofing and protection of aquatic parks, aquariums, dolphinarium, slides and swimming pools.

PARKINGS AND SPECIAL PAVEMENTS

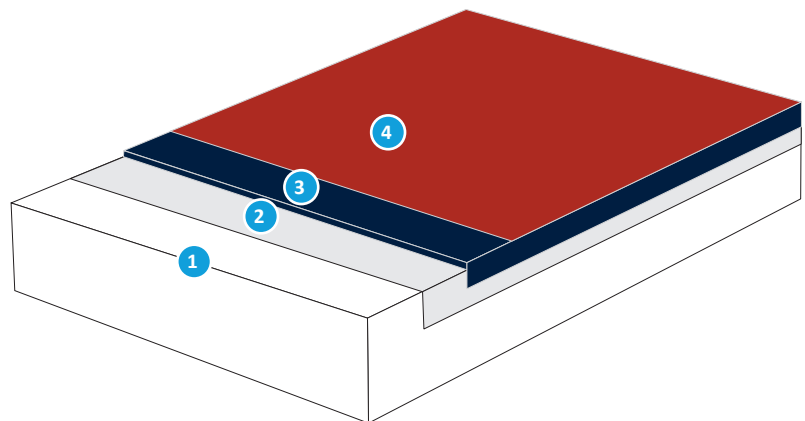
- | Parking ground and parking roofs.
- | Pavements of industrials units.
- | Floors of chemical, wine-making, agro-alimentary industries, garbage dumps...

INDUSTRY

- | Isolation of tanks by secondary containment and remainders in chemical, petrochemical industries or polluting agents avoiding filtrations to the subsoil.
- | Protection of naval constructions of concrete in marine, buoys and platforms.
- | In the automotive and metallurgical sector.
- | As protective coating to the abrasion and wearing down of Aeolian turbines. Renewable energies

I WATERPROOFING SYSTEM – LAYERS

- 1 SUPPORT (*)
- 2 PRIMER
- 3 WATERPROOF MEMBRANE
- 4 TOP COAT ALIPHATICS



* RECOMMENDED TROWELLED CONCRETE SUPPORT, PERFECTLY REGULARIZED, WITHOUT RUGOSES OR GAPS AND WITH RESISTANCE TO TRACTION MINIMUM: 1,5 N/MM2

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SYSTEM COMPOSITION - TECHNICAL DATA

SOLUTION	PRODUCT	NATURE	COLOR	APPLICATION	PERFORMANCE
PRIMER	AQUAPRO® PRIMER	Primer product based on two components; especially developed to provide the greater possible adhesion on different surfaces. The Composition can be modified according to the humidity, temperature or material of the support	Transparent	Manual: by Wool roller Mechanics: by Sprayer GH-833 Graco	0.20 a 0.30 Kg/m ²
WATERPROOFING MEMBRANE	AQUAPRO® PY 01	Diamines associated by reactors of digitized volumetric relation	Dark blue Light Gray	By projection Reactor E – XP2 Graco 1.50 a 2.00 kg/m ²	1.50 a 2.00 kg/m ²
(*) Regarding the final use of each project, this performance can vary maximum 2,50 Kg/m ²					
TOP COAT ALIPHATIC FINISH COAT	AQUAPRO® TOPCOATING UV	Protective coating aliphatic, bases on polyurethane, with excellent mechanical properties and chemical resistances. Designed especially in order to respect the end-use of the support where it is applied	Optional	Wool roller Airless Spray Pistol	0.20 a 0.30 kg/m ²

THICKNESS OF THE SYSTEM: It depends on the application and final use of each project, can be from 1,50mm to 3,00mm.

APPROVALS, TEST REPORTS AND NORMATIVE



EUROPEAN TECHNICAL APPROVAL – ETA

The European Technical Assessment-ETA is the document which provides information on the technical assessment of performances of a manufacturer's product or kit regarding the essential characteristics which are applicable for the use foreseen by the manufacturer. The ETA is elaborated in accordance with the European Assessment Document-EAD, which covers the product and its intended uses.



AQUAPRO® PY 01 report No: ETA - 14/0430.

NOTE

All of them and every single product composing the present system are complementary with themselves, and they are indivisible in order to guarantee their correct operation. The data about the consumption and dosage explained in this Datasheet are based on our own experience, reason why these are susceptible of variations due to the different conditions of every work. The real consumptions and dosages must be determined at work (in situ), by means previous tests and are responsibility of the client.