

T2 Acqua Black

T2 Acquablack is a ready-to-use, single-component, in aqueous emulsion, elastic bituminous liquid membrane resistant to water stagnation and UV radiation.

 TROWEL APPLICATION
  ROLLER APPLICATION
  AIRLESS APPLICATION
  FOR INDOOR AND OUTDOOR USE
  SINGLE-COMPONENT PRODUCT
  UNI EN 1504 -2

 WATER STAGNATION RESISTANT
  HIGH ELASTICITY
  EASY LAYING
  RESTORATION OF OLD WATERPROOFING SURFACES

 UV-RESISTANT
  READY-TO-USE
  IDEAL FOR UNEVEN SURFACES
  ANTI-CARBONATION



Use this QR code for further details on application modalities, safety sheet and other information.

201

Product code



Technical characteristics

Product type	Single-component
Specific weight	1.1 (±0.05) kg/L
Dry residue weight	56.4 (±1) %
Dynamic viscosity	12100 (± 2000) mPa·s (S05 20 rpm at 20°C)
Elongation at break	2300%
Cold flexibility	25°C
Theoretical thickness of the dried film	0.5 mm (x 1 kg/m ²)

Permeability to CO ₂ UNI EN 1062-6	S _D > 50 m
Water vapour permeability UNI EN 7783-2	Class II (5 m ≤ S ≤ 50 m)
Exposure to atmospheric agents	No visible defects
Resistance to cracking	Class A5 (23 °C) Class A5 (-5 °C)
Reaction to fire after application	Euroclass E
Dangerous substances	See SDS

Description

T2 Acquablack meets the minimum requirements of EN 1504-2 ("Concrete surface protection system"). It is a liquid elastic bituminous membrane in aqueous emulsion, resistant to UV radiation and water stagnation. It is possible to create

continuous waterproofing layers characterised by excellent elasticity, its elongation is 2300%. The layer thus created is able to protect the geometries of the surfaces to be covered, eliminating joints and overlaps.

Physical characteristics

Package	18 kg
Prescribed layers	Min. 2
Consumption per layer	1 kg/m ²

Dilution	Ready to use
Colour	Black
Storability	12 months

Fields of application

- Waterproofing of building roofs in general, terraces, planters, roof gardens (root-proof version), eaves, gutters, roofing details.
- Waterproofing of foundation walls and ground retaining walls, direct foundations and concrete slabs. Restoration

of old asphalt pavements.

- Re-waterproofing of tiled substrates.
- T2 Acquablack can also be used for levelling and protection against carbon dioxide penetration of cement and concrete structures.

Substrate preparation

Cementitious substrates: Wait for/monitor the complete settlement of the substrate; it must be dry in order to avoid detachment and swelling of the waterproofing membrane due to evaporation flows.

In cases where the surface finish is not smooth, the surface should be smoothed with suitable fibre-reinforced cement mortar, ensuring good adhesion to the underlying substrate. Clean thoroughly, removing dust, crumbling parts, grease, oils and anything else that may affect adhesion. Prior priming of the substrate is carried out by applying T2 Acquablack diluted with water in a 1:1 proportion, at a ratio of approx. 0.150÷0.300 kg/m² depending on the degree of absorption of the substrate.

Bitumen-polymer membrane substrates: Clean the surface to be treated by removing protective coatings

That are in the detaching phase and restore any missing parts; if there are torn and/or detached parts of the membrane, reseal them and restore any areas subject to swelling; carry out a general cleaning of the surface and pre-treat the substrate with Tradicoll Grip primer.

Metal substrates: Clean thoroughly, removing dust, grease, oils and anything else that may affect adhesion; remove rust and apply Trattamento Ferro passivating agent with a consumption of 0.9 kg/m² (for two coats).

If necessary, work on tiled substrates; check the condition of joints, remove and restore loose coverings or parts of floors. After thorough cleaning of the substrate, pre-treat the substrate with Tradicoll Grip primer at a consumption rate of approx. 300 g/m².

Product preparation

Apply at least two coats of T2 Acquablack, with application times of not less than 24 hours, and wait until the previous coat is completely dry (environmental conditions can cause drying times to vary considerably). Total consumption must not be less than 2 kg/m².

Use reinforcement from the Tradielastic line where the

product is subject to particular mechanical stress and/or on substrates where different materials with different elastic moduli and consequent thermal/mechanical distortions are present.

The surface will dry in 24 hours at a temperature of +23 °C and RH of 50%. Below this temperature, times can vary even significantly.

Product application

The product is ready to use and can be applied with very simple tools such as a roller, brush and/or airless pump, thus facilitating laying operations compared to traditional systems. If the product shows a possible deposit, stir it again. Application temperature 5 °C - 35 °C. Do not use generic bituminous primers for impregnating substrates. The described performance of T2 Acquablack, such as its cold flexibility and its ability to withstand stagnation, are

reached when the waterproofing layer has fully cured (approx. 15 days after application). Treat joints and any cracks in the substrate with suitable techniques. Control joints, insulation joints, connections between horizontal and vertical elements must be sealed with Tradiflex. Wait for the primer coat used in the various types of intervention to dry completely as shown in the data sheet.

Advantages

With T2 Acquablack, it is possible to create continuous waterproof coverings characterised by excellent elasticity, its elongation is 2300%. The layer thus created is able to protect the geometries of the surfaces to be covered, eliminating joints and overlaps, as is the case with waterproofing

created with prefabricated membranes. Thanks to its special formulation, the waterproof coating thus created is resistant to very low temperatures, down to -25 °C.

Specification item

Waterproofing by applying at least two coats by trowel, roller or brush, or airless, of a single-component bitumen-based elastic bituminous membrane with a minimum thickness of 1 mm, such as T2 Acquablack by Tradimalt S.p.A. In the particular case of high mechanical stress and/or

on substrates where different materials with different elastic moduli are present, resulting in thermal/mechanical distortions, use reinforcements from the Tradielastic line. Consumption 1 kg/m² per mm of thickness. Certified according to UNI EN 1504-2.



REA No. CH 135733 for

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UNI EN 1504-2

Tradielastic T2 Acquablack

Liquid-applied waterproofing product - coating (C) for the protection of concrete by means of protection against penetration risks, moisture control and increased resistivity.

Permeability to CO₂: S_D >50 m
Water vapour permeability: Class 2
Resistance to cracking: Class A5 (-2 °C ≤ T ≤ 23° C)
Hazardous substances: See SDS
Direct traction adhesion: ≥ 0.8 MPa
Water permeability coefficient: W < 0.1 Kg x m⁻²h^{-0.5}



This is Tradimalt's way of communicating, in its information and technical-commercial material, the composition of each product and some of the product's key features. Therefore, the focus is on supply chain transparency, not required by any relevant regulation but which Tradimalt nevertheless intends to offer to its customers in order to emphasise the quality of the raw materials, and thus of the product, as well as the safety that the company intends to demonstrate with regard to formulations. The focus is therefore in the "transparency" that the company intends to manifest in the supply chain, which is not required by any current formulation law.

Raw materials contained in the product

Selected raw materials:

- A bituminous material in aqueous emulsion with a low elastic modulus that gives the product extraordinary elasticity.

Warnings

- Apply the product at temperatures between +5 °C and +35 °C.
- Mix the contents of the pack before application.
- Wait for the primer coat used to dry completely.
- Coloured paints used on T2 Acquablack can suffer over time from "crocodile cracking", caused by the different coefficient of thermal expansion existing with the elastic-bituminous membrane. This phenomenon only affects the aesthetic properties of the paint, which can be restored through routine maintenance of the same.
- When waterproofing ground retaining walls, provide a separating layer and mechanical protection between the T2 Acquablack coating and the drainage and backfill material.
- Store the product in dry, well-ventilated places.

The technical-practical information contained in the technical data sheet is the result of our most accurate and detailed scientific research and experience in the field. However, since we cannot directly influence the site conditions and the execution of the work, this information is to be considered non-binding and therefore not legally or otherwise mandatory for third parties. This information does not exempt the end user from their responsibility to test our products in order to ascertain their suitability for the intended use. We therefore strongly advise the customer/applicator to carry out the appropriate preventive tests of Tradimalt products so that their suitability can be ascertained.