

Tinos, Cyclades Islands

Lap pool house

DESIGNED ACCORDING TO MODERNIST IDEALS, THIS RESIDENCE INTEGRATES PERFECTLY WITH THE ROCKY LANDSCAPE OF THE CYCLADES ARCHIPELAGO

The island of Tinos, in the Cyclades archipelago, is renowned for its rocky landscape with beaches hidden in coves scattered amongst the cliffs. And it is here that the architect, Aristides Dallas, has created a country residence that blends in perfectly with the surrounding territory and the untouched nature typical of this island. Its architectural lines are a reminder of modernism and the Bauhaus style: essential forms, intersecting parallelepipeds and surfaces in exposed concrete. The grey of the villa draws on the colour of the surrounding rocky landscape, thereby creating a sense of continuity between the work of man and that of Mother Nature.

The building is characterised by a large slab of concrete

acting as the roof, with two volumes in the form of a parallelepiped, perpendicular to each other, reaching outside and containing the more "intimate" areas of the villa: the master bedroom and the guest room. The central space below the concrete roof houses the lounge and kitchen, with access through sliding doors directly onto the swimming pool.

The pool, particularly long and in the form of a rectangle, is the focal point of the entire construction: from the centre of the villa, it extends right up to the edge of the hill on which it sits, providing the owners of the villa and their guests with enchanting views of the sea and the whole horizon.



IN THE FACING PAGE. The villa designed by Aristides Dallas is particularly striking for its essential lines, intersecting volumes and concrete surfaces that were waterproofed with PLANISEAL 88.

RIGHT. The substrates in the swimming pool were waterproofed with MAPELASTIC SMART before bonding glass mosaic with KERAFLEX MAXI S1 and grouting joints with KERAPOXY CQ.



In so doing the architect has managed to create a dynamic complex, characterised by just a few "powerful" design elements expertly inserted into the surrounding landscape.

Which is why, along with the originality of its design, the villa has attracted a lot of attention from the media dedicated to architecture and has been nominated for the 2022 edition of the Mies van der Rohe Award for contemporary European architecture.

Protection for the concrete

Mapei solutions were employed to build various areas of the villa. After removing the formwork from the various concrete elements that make up the structure, uneven areas in the concrete surfaces were levelled off with MAPEGROUT THIXOTROPIC fibre-reinforced, compensated-shrinkage mortar, classified R4 according to EN 1504-3.

The external concrete surfaces were then waterproofed with PLANISEAL 88 osmotic cementitious mortar, which complies with the requirements of EN 1504-2.

Waterproofing the pool and installing mosaic

The internal surfaces of the swimming pool were also waterproofed with a solution proposed by Mapei. In this case the product chosen was MAPELASTIC SMART two-component cementitious mortar with high flexibility. Applied with a trowel or roller, it is ideal for applications such as swimming pools, as well as for balconies, terraces and bathrooms. In fact, MAPELASTIC SMART is particularly suitable for waterproofing surfaces with an irregular shape and, thanks to its high rate of elongation at failure (120%), it is often used for protecting concrete structures,

render with micro-cracks and cementitious surfaces in general exposed to vibrations that could result in the formation of cracks. Resistant to UV rays, MAPELASTIC SMART complies with the requirements of EN 1504-2 and EN 14891.

Mosaic tiles were bonded in the swimming pool using KERAFLEX MAXI S1, a white, deformable adhesive with extended open time, Low Dust technology and no vertical slip. The tile joints were then grouted with KERAPOXY CQ two-component, anti-acid, epoxy mortar with a bacteriostatic agent and BioBlock® technology, a grouting product which is easy to apply and has excellent cleanability. Using a complete Mapei system has enabled the durability of the surfaces of the pool to be guaranteed while, at the same time, played an important part in creating such a high aesthetic impact.



Find out more
MAPELASTIC SMART

TECHNICAL DATA

Lap Pool House, Tinos

(Cyclades, Greece)

Period of construction: 2017

Architectural design:

Aristides Dallas Architects (Aristides Dallas, Konstantinos Stathopoulos)

Structural design:

Theodoros Chrysovergis,

Emmanouil Roditis

Interior design: Evangelos Tentis

Period of the Mapei intervention: 2017

Intervention by Mapei:

supplying products for concrete repair, waterproofing and installing glass mosaics

Contractor: Aegean Construction &

Development by Louvaris

Mapei distributor:

Stergioti Bros

Mapei coordinator: Sakkas Charalampos, Mapei Hellas

Photos: Panagiotis Voumvakis, Mariana Bisti

MAPEI PRODUCTS

Smoothing and protecting concrete surfaces: Mapegrout Thixotropic,

Planiseal 88

Waterproofing substrates:

Mapelastic Smart

Bonding and grouting glass mosaics in the pool:

Keraflex Maxi S1, Kerapoxy CQ

For further info on products: mapei.com and mapei.gr