



PRIVÉ

luxury mediterranean villas

TECHNICAL INFORMATION

What we do differently is...

Concrete work

The quality of concrete work affects everything that follows, literally serving as the foundation for an entire project. From the quality of the cement used to the surface of the casting system we control every single component and supervise each step of the work accurately.

Brickwork

We import our bricks from one of the most prestigious Italian brick factories that uses the latest technologies of production of high hollow perforated bricks with formidable Thermo-Acoustic characteristics.

Moisture sealing – Socle

The entire socle is thermally insulated and moisture sealed with a waterproofing cementitious mortar preventing the moisture from raising and infiltrating through the socle.

Thermal insulation – Groundfloor

The base plate of the villa is thermally insulated with a 16 cm layer of XPS (extruded polystyrene) according to the requirements of the German low-energy building standard.

Thermal insulation – Facade

The entire facade of the villa is thermally insulated with a 10 cm layer of mineral wool which in combination with the 25cm layer of perforated bricks with high thermal properties fulfill the requirements of the German low-energy building standard.

Moisture sealing - Roof

The roof is treated with a double layer of moisture sealing: a waterproof coating that seals the whole roofplate and a second layer of protective film (PVC) which provides a long term protection against moisture.

Thermal insulation – Roof

The roof is the part that is most exposed to solar radiation. That is why we paid special attention to its thermal insulation using a 24 cm layer of high performance graphite EPS (expanded polystyrene) which offers the protection needed to fulfill the requirements of the German low-energy building standard.

Extensive green roof

We use extensive landscaped roofs as an ecological alternative to conventional surface protection or ballast layers such as gravel and pavers. Suitable plants include various Sedum species, herbs and some grasses. After the establishment of the vegetation, the maintenance is limited to one or two inspections a year. Besides giving back to the nature the space the building has taken away, the vegetation also protects the roof from overheating.

Ventilated facade

The ventilated facade is a high performance solution for building enclosures. Our ventilated facade consists of a corrosion-free HILTI aluminium structure, mineral wool insulation, covered with first quality limestone plates. It allows the building envelope to „breathe“ while protecting it.

Moisture insulation – Pool

Again, we pay special attention to the inner moisture sealing of the pool reservoir by using different layers of high protection sealings of certified quality.

Drainage System

Every villa has its own drainage system which consists of a trench filled with gravel, wrapped in geotextile containing a perforated pipe that redirects surface water and groundwater away from the foundations.

All the materials we use are CE-certified and are subject to compliance with German or international quality standards.