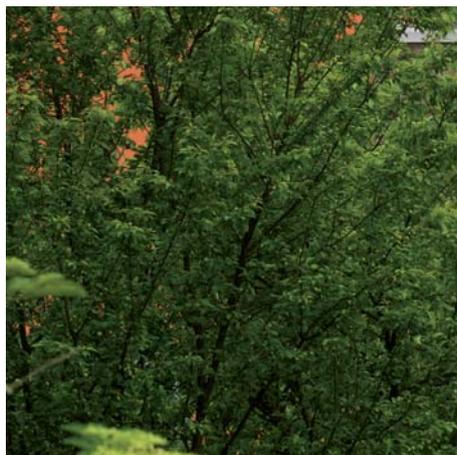
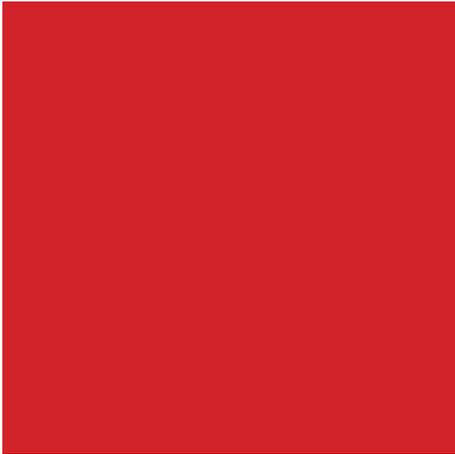


Techtile System: Integrated solar systems





Techtile System

Techtile System is the new revolutionary system that transforms a roof, with its standard passive covering function, into an **active technology** that contributes to the energy needs of the building. This system makes easier to lay the roof covering and is designed to give added value to the buildings on which it is installed. With Techtile System is possible to produce electric and thermal energy, directly from the Sun at absolutely no costs. The system also makes it possible to obtain different levels of architectural integration, thanks to four system solutions that can be applied to a single type of arrangement or covering.

The freedom of choose

Techtile System is a revolutionary idea: in addition to the unparalleled architectural integration that is obtainable, the idea the possibility of applying different types of solar systems on a single type of arrangement or covering.

Techtile Basic is an arrangement system on which it is possible to install:

- Brick roofing tiles,
- Traditional photovoltaic modules,
- Techtile Therm,
- Techtile Energy,
- Techtile Easy,
- Techtile Smart.

Techtile Basic

Roof covering, insulating system and installation arrangement.

Techtile Basic is available both in single elements and in preassembled panels.

The preassembled panel solution makes it possible to construct roof coverings with thermal, acoustic and ventilated insulation, in a quick way.

With Techtile Basic, the roof covering and the energy system foundation are created at the same time.



Techtile Basic:
A single isolated covering that is suited for terracotta bent tiles and for energetic systems

Techtile Energy

Integrated photovoltaic system

Techtile Energy offers the maximum integration level as far as the photovoltaic systems are concerned.

The total similarity with the terracotta bent tiles, the absence of wires that need to be connected and the easy installation: these qualities converge into a single, innovative and exclusive product.

The system allows to control and to manage each row of tiles: the system management is entrusted to a special control unit (Techtile Control) that constantly monitors the operational status and its correct functioning.



Techtile Easy

Integrated photovoltaic system

Techtile Easy is composed of single tiles that can be placed on Techtile Basic.

The photovoltaic module, that is 80 mm wide and is variable in length, occupies more tiles of the same row and is covered by protective glass coverings: in this way, once installed, it is practically invisible.

Techtile Easy is easy to install and guarantees high architectural integration on the buildings.



Techtile Smart

Integrated modular photovoltaic system

Techtile Smart is composed of photovoltaic modules that are 165 mm wide and are variable in length. The modules are visibly positioned on the Techtile Basic roof covering.

Techtile Smart offers numerous installation and configuration solutions, like the horizontal assembly that can also be alternated with brick elements. Techtile Smart respects the harmony of the roof tile rows.



Techtile Therm

Integrated solar heating system

Techtile Therm is the solar heating system that is completely integrated into the roof covering. Techtile Therm is made with panels that have a collector and "vacuum tubes". It is practically invisible and is able to guarantee, due to its technology, high performance and long duration.



TechTile is certified according to the IEC 61215:2005 standard and the security tests have been carried out according to the CEI EN 61730-2 (2007).

Rem s.p.a is a company certified ISO 9001/2008



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Rem, with the Techtile project, has gained the recognition of important organizations and national and international institutions:



WELL-TECH 2007
Premio all'Innovazione Tecnologica



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