



PHOENIX TECTOSMART

The clever insertion system for roof-integrated and roof-mounted installations



The clever insertion system: innovative and cost efficient.

TectoSmart combines flexible functioning and an aesthetic form in one. The specific characteristic of the insertion system for roof-integrated and roof-mounted installations lies in the plane-parallel design, which enables full-surface roof coverage. In this way, even smaller roof surfaces can be used in the best possible way, and overall even more sunlight is converted into environmentally friendly power.



Specific characteristics at a glance:

- **Weight optimisation**
TectoSmart replaces the roof cladding of the surface to be covered completely. Thanks to the integrated system it relieves the burden of the overall structural load
- **Multiple functions**
TectoSmart is suitable for all standard pitched roofs with floating installation of the modules – horizontally as well as vertically
- **Long service life**
High-quality materials (aluminium and stainless steel) guarantee an extremely long service life
- **Cost efficiency**
Save twice with new buildings: planning with TectoSmart will not only save you working time; you can also use the system as alternative roof cladding
- **Functional optics**
The dual-level structure ensures seamless, continuous integration of modules into the roof surface, while at the same time contributing to good rear ventilation

PHOENIX TECTOSMART SO SIMPLE. SO QUICK. SO SMART.

Simple because it's smart.

TectoSmart can be installed as part of a new roof or installed to existing roofs as a roof-mounted system. Installed as part of a new roof, TectoSmart fully replaces the roof cladding with the solar energy system.

The roof construction is completed at two levels with an interim space of 50 mm.

- The first level is formed by the pressure-resistant roof planking with a water-repellent roofing membrane. Onto this the system rails can be attached vertically. In this way, water runs off behind the modules and directly enters the roof gutter.
- The second level comprises the insertion rails which are directly mounted onto the system rails. The modules are then inserted into the rails in just a few stages, and linked via cables to each other.

Upgrading with TectoSmart.

To date, it has not been possible to operate a solar energy system on certain roofs – particularly on older buildings – if the structural load is not suitable.

The smart solution

The system fully replaces roof cladding on the surface intended for this purpose. As a result: you gain more solar power, without added weight.

Free choice with new buildings.

With new buildings, it is worth planning with the future in mind. The insertion system can be used completely flexibly, both when integrated into the roof and when roof-mounted. This enables you to integrate the solar energy system individually into the required building architecture.

Save costs the clever way.

Since TectoSmart replaces roof cladding on the planned surface, it reduces the level of investment in materials, scaffolding and working time.

Take good advice: make use of our know-how. For more information, contact your Phoenix Solar partner.

Smart reasons:

- Floating module installation for simple, quick and cost efficient mounting
- Approx. 30% less mounting time over conventional mounting systems
- Barrier-free rear ventilation of the modules
- All components TÜV certified and with RAL quality seal
- Uniform, even surface for an aesthetic overall appearance

