



**Design and function.**  
**Revolutionary and intelligent.**  
**Beauty and quality.**  
**Valuable and value preserving.**  
**Luxury and responsibility.**  
**Environmentally friendly and noble.**  
**Different and individual.**  
**State of the art and swiss made.**

**SolarTiles** are currently the most intelligent and design-oriented solution in the field of renewable energies for buildings; for heating, cooling and hot water.

**SolarTiles** define a new category of devices for exchanging heat with the environment. SolarTiles form a bi-directional, thermal interface that gathers solar and ambient energy in order to make it available to other building systems, especially heat pumps. This energy can then be used in combination with heat pumps for heating, cooling or water heating.

In addition to having a multitude of functional advantages, **SolarTiles** open up completely new possibilities for architecture. Copper (or its alloy, architectural bronze), the material SolarTiles are made of, is one of the most attractive and sophisticated materials in architecture. Architectural bronze allows itself to be processed into various surface textures, from glossy to roughly brushed. With the various surfaces, architectural bronze takes on light reflections and colors from its surroundings in a playful manner. Swissmetal's research and development is working on new surface treatment and coating technologies to make Architectural bronze available in a variety of different colors, from golden yellow to all yellow-brown and red-brown shades to grey brown or even matt black. Uncoated, Architectural bronze quickly forms a natural patina when exposed to air which naturally protects the material against corrosion for decades. SolarTiles closely resemble roof tiles, but are much more appealing to the eye. They can be manufactured in almost any known regular tile shape. With new coating technology they can also be adapted to the colors of the surroundings. Thus, they fit seamlessly into an existing landscape. Alternatively, you can deliberately create contrast and a luminous spot on a roof by selecting the coloring and surface texture of your choice.

Thus, **SolarTiles** open up new horizons for architects: Freedom of color and shapes on roofs combined with functionality as a thermal interface.

**SolarTiles offer major advantages:**

- New design possibilities.
- Access to a free, renewable energy. Operating costs comparable to geothermal heat pump systems.
- Simple installation, relatively low investment costs, durable, maintenance-free, easy to replace.
- Can easily be recycled at the end of the life cycle.
- Can be used as part of heating and cooling systems.

**SolarTiles** are the appropriate solution for an upscale standard of living and offer an intelligent alternative to every other energy generating system, such as geothermic or air/water systems.

**SolarTiles** shine with their simplicity and design.

**SolarTiles** can be installed in existing buildings without any major structural changes. Various shapes are available. SolarTiles will blend in with the already installed roof tiles.

**SolarTiles** are a Swiss product. Swissmetal has decades of experience with architectural bronze and masters the entire production process from the smelting and alloying to the finishing.

**SolarTiles** combine design with intelligent function and simple usage. This makes SolarTiles a luxurious, value-enhancing and logical solution.



