

Are Pompeii roof tiles solar?

Pompeii has a secret: 223 roof tiles on the House of the Vettii are solar. Started in Vicenza, Italy, Dyaqua makes solar tiles that look like traditional terracotta shingles; though they appear to be opaque clay, each photovoltaic panel has a surface layer that allows light to pass through to the solar cells beneath.

Are 'invisible solar' tiles really solar panels?

But they're really solar panels. The 'Invisible Solar' tiles have already been installed at Pompeii, and there are plans to expand. In a small workshop near Vicenza, Italy, artisans make traditional-looking roofing tiles with a hidden difference: Each module contains solar photovoltaic cells.

Are terra-cotta tiles really solar panels?

These 'terra-cotta' tiles blend in perfectly with Italian roofs. But they're really solar panels. The 'Invisible Solar' tiles have already been installed at Pompeii, and there are plans to expand.

Who makes invisible solar tiles?

The family-owned company that makes the tiles, Dyaqua, started developing its "Invisible Solar" products more than a decade ago. Solar panels "were spreading much faster than before, and our first thought was about heritage cities like Vicenza," says company spokesperson Elisa Quagliato.

Can a roofer install invisible solar?

The company is called Dyaqua, and their founder, Giovanni Battista Quagliato, says that just like regular roofing tiles, Invisible Solar can be installed by roofers without any special training or equipment. [Vicenza panorama](#)
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Is invisible solar a solution for cultural heritage in Italy?

In 2015 Invisible Solar was mentioned by the Italian Ministry of Cultural Heritage and Activities and Tourism (MiBACT) as a solution to improve energy efficiency in cultural heritage across the country, and they are already installed in Pompeii. [READ MORE: Inflatable Floodgates in Venice Named After Moses Save the City for a Second Time](#)

Invisible Solar technology has been developed by Dyaqua, an Italian family-run business, to bring solar energy inside historic towns and on heritage buildings. A special surface, that reproduces the aesthetic of terracotta or other building materials while transparent for sun rays, allows solar cells to function even if totally integrated.

Tuscan Roman Tile PV. Item Number: IS005. Photovoltaic module shaped as architectural element, made of non-toxic and recyclable polymeric compound in which are embedded monocrystalline silicon cells. Monolithic element that accurately reproduces the typical aesthetic of clay flat roof tiles that are mainly used on

Central Italy roofs.

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Vicenza (Italy) produces the Invisible Solar Rooftile looking identical to classic terracotta roof tiles, finally bringing solar energy on heritage assets. Invisible Solar is a new PV technology that takes on the appearance of any building material. Each Invisible Solar module is not only a photovoltaic panel, but also an active

It's now possible to cover your roof with solar panels that look just like traditional clay tiles. Transitioning to green energy has never been more topical. This has pushed Dyaqua, a small family business based in Vicenza, Italy, to develop an innovative tile solution involving embedded solar panels that are invisible to the naked eye.

Started in Vicenza, Italy, Dyaqua makes solar tiles that look like traditional terracotta shingles; though they appear to be opaque clay, each photovoltaic panel has a surface layer that...

