

## Iran Produces Nano-based Thermal Coating

2021-04-20

An Iranian knowledge-based company has manufactured Nano-based thermal insulation and protective coating products for the first time in the country, a scientific report said.

Researchers of a knowledge-based company have succeeded to indigenize the production of Nano-based thermal coating products in [Iran](#).

According to the website of the [Iran Nanotechnology Innovation Council](#), Nano-based thermal insulation coating with excellent adhesion on metal surfaces prevents energy and heat losses, and due to its very low heat transfer coefficient, has high effectiveness in thermal insulation of surfaces.

This coating works not only to reduce temperatures but also provides energy savings, thermal insulation, and personnel protection all in an easy spray-on application.

According to the report, currently available in the Iranian domestic markets there are traditional insulation types such as fiberglass, mineral wool, and polyethylene foams that have a completely different composition base and there is no product similar to this company's product in [Iran](#). Meanwhile, this product is also new in the world and is still being developed.

In relevant remarks in February, Head of INIC Saeed Sarkar said that the country enjoys six percent share of the world nanotechnology production.

“The result of trusting [Iran](#)’s talented youths in the field of nanotechnology caused the country to have a six percent share of the production in the global arena,” Sarkar said.

“Supreme Leader of the Islamic Revolution ordered that the budget of INIC should be equal to two percent of investment made by all countries in the field of nanotechnology,” he added.

Read the [original article](#) on Fars News Agency.