

PRESS RELEASE

Suststeel

The innovation in
the anti-corrosion
protection of
structural steel



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POLYCHIMIKI G. MATZIARIS S.A. UZIN Hellas in collaboration with Laboratory of Building Materials School of Civil Engineering, Aristotle University of Thessaloniki, secures Groundbreaking Patent for sustainable, hybrid, nanostructured, anti-corrosion coating series for construction steel rebars.

This teamwork was implemented within the framework of the European Union 2021-2027 long-term EU budget (MFF) & Next Generation EU, that supports the recovery plan for Europe, particularly under the Action "Investment Projects for Innovation" of the Central Macedonia Program NSRF 2021 – 2027 (KMP6-0281722).

POLYCHIMIKI G. MATZIARIS S.A. - UZIN Hellas, a leader in construction chemicals, proudly announces the successful granting of a new patent for innovative protective anticorrosive, nanostructured, hybrid-based coatings for steel rebars.

A cutting-edge solution was designed to perform against accelerated corrosion. The protection of structural steel rebars with hybrid nanostructured anti-corrosion coatings will improve both the antioxidant properties of the final product for its application in the concrete environment, but also during storage of the product, before its incorporation into the concrete, which is noted to be unpredictable, offering sustainability at very little additional cost. Therefore, it will provide a more durable character and multiple improved properties as it will increase the steel's resistance to oxidation, while keeping the cost of maintenance of the structures reduced.

The patent, issued by the Hellenic Industrial Property Organization (OBI) under patent number 20250100072, represents a major milestone in the advancement of anticorrosive products for building steel rebars. This breakthrough technology is poised to increase reinforced concrete Life Cycle Analysis and consequently constructions sustainability.

“We are thrilled to receive this patent, which reflects our commitment to innovation and excellence in building materials”, said Dr. Aikaterini Matziaris, R&D director of POLYCHIMIKI G. MATZIARIS S.A. UZIN Hellas.

POLYCHIMIKI G. MATZIARIS S.A. UZIN Hellas has been at the forefront of technological advancements in construction chemicals for more than 65 years, consistently pushing the boundaries of what is possible. The afore-mentioned patent further solidifies the company's reputation as a pioneer in the building materials sector and paves the way for its expansion plan.

For more information about POLYCHIMIKI G. MATZIARIS S.A. UZIN Hellas and its latest innovations, visit www.uzin.gr or <https://www.suststeel.gr/>.

#innovation# #patent# #hightech#