



WELDAPRIME

Anti-Corrosion Zinc-Free Primer for Steel

SELF-REPAIRABLE ZINC-FREE WELDABLE ANTI-CORROSION PRIMER FOR THE STEEL PROTECTION

Corrosion is one of the most important problems in companies dedicated to the metal sector. Depending on the industrial sector there will be different kinds of corrosion in their metallic pieces which don't have any surface protection. However, the introduction of small measures in an accurate way can lead to improvements avoiding those problems. Within these measures, it should be noted the application of the organic and metallic, polymeric, cathodic protection and corrosion inhibition protector coatings.

Zinc is one of the most common materials used for

Therefore, the objective of the project will be the development of a weldable and durable primer which provides the metal with mechanic resistance and protection against corrosion. WeldaPrime formulation will be zinc free to reduce health damages for welders and with an accurate thickness that protect against corrosion letting the welding processes.



metal protection against corrosion. The existing primers are based on zinc formulations leading to galvanic protection. One of the main problems of this kind of coatings is the thickness. It should be bigger than 25µm to achieve a good protection against corrosion what leads to difficulties in welding processes. Moreover, the by-products coming from zinc-rich primers can result in fumes formation and bad odors in workshop leading to discomfort and potentially zinc fever for the welders. Zinc fumes can have a significant impact on the respiratory tract, and may lead to lung cancer. WeldaPrime project is proposed in order to solve these problems.



PARTNERS

SME-AGs and SMEs:

- European Federation for Welding, Joining and Cutting (Belgium)*
- The Croatian Chamber of Economy (Croatia)
- Federación Vizcaína de Empresas del Metal (Spain)
- British Coatings Federation (United Kingdom)
- Loufakis Chemicals S.A. (Greece)
- Talleres de Soldadura y Mecanizado, S.L. (Spain)
- Tomas Swan & Co Ltd (United Kingdom)

RTD performers:

- TWI Ltd (United Kingdom)
- Centro Tecnológico L'Urederra (Spain)
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For further information please visit the WELDAPRIME website:

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