Title: **Development and formulation of an epoxy coating product based on the aerosol technology.**

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This project presents the development and formulation of an epoxy commercial anti-corrosive coating product based on aerosol technology, which is focused on metal surfaces of different materials, especially for the automotive world.

Our final product must be competent in the commercial field, as it must compete with other products, therefore the highest possible benefits will be sought.

The project begins with the presentation of the structure of a conventional paint or coating, breaking them down into five different categories, recognized as such within the industry, explaining in most cases its origin, its chemical properties, and the affinity that these can bring us for our final product. There are products that are mentioned even though they will not be used in our product, but their historical importance and behaviour will allow us to understand why we have chosen another element, as will happen in the case of resins; some compounds that could be part of the project but have finally been discarded will also be presented, in order to highlight the final capabilities obtained. Given that this is a bibliographic work with experimental nuances will also explain part of the procedure of the final formulation chosen by the product and the criteria for which it was the best option.

Like any commercial product, tests and comparisons of applicability, adhesion and resistance will also have to be made, which are the most interesting aspects for this project; on different metal surfaces.

What will provide us with a more complex point to conventional paints and coatings in this project is its method of application, aerosol technology, which may seem simple at first glance, is a science in itself, which can determine us several factors, from the conservation of the painting or coating until his applicability.