

Universidad Internacional del Ecuador



Facultad de Ingeniería Mecánica Automotriz

**Trabajo de Integración Curricular
para la obtención del Título de Ingeniera en Mecánica Automotriz**

Estudio Comparativo de la Pintura a Base de Agua y la Pintura a Base de Solvente

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ABSTRACT

Automotive paint today has had many updates over the years, with the existing problem of surgical environmental pollution, new technologies to mitigate damaging values to the planet have emerged. In the Ecuadorian market we find a number of brands of automotive paints, various brands offer a large number of products for the conditioning and painting of vehicles, being some of these leaders in the market, it is important to comply with the regulations and contamination that these produce the environment, as well as knowing the performance and durability of brands, therefore, standards such as NTE INEN 2286 are in favor of compliance with the values established for this purpose. Another problem found in the market is the lack of knowledge of untrained personnel in the area of painting, erroneous processes and lack of knowledge leading to poor results, and therefore a representation of paint brands, the latter being widely discussed. In order to determine what paint to use when painting a vehicle, according to this, the interest is focused on two types of paint and their questions, water-based paint and solvent-based paint, where price, resistance and coverage They are usually discussed not only by users, but also by the most renowned companies in the country.

KEY WORDS: pollution, water-based paint, solvent based paint, NTE INEN 2286