

## **Paints Components**

The selection of components used to manufacture paint will affect its stability (shelf life), application characteristics, handling, cleanup, disposal, and most importantly, the performance of the product on which it is applied. Paint formulas usually include:

<b>RESINS (BINDERS)</b>	The resin is the film-forming component that identifies the paint.
<b>PIGMENTS</b>	Pigments are particulate solids that are dispersed in paints to provide certain characteristics to them, including color, opacity, durability, mechanical strength, and corrosion protection for metallic substrates.
<b>EXTENDERS</b>	Extenders are paint additives that are insoluble in the binder and solvents of the formula and have little or no opacity or color effect on the film. They are added to modify the flow and mechanical properties of the paint as well as the, permeability, gloss, and leveling characteristics of the paint film.
<b>SOLVENTS</b>	A solvent is a pure or mixed liquid that is used to make the paint flowable prior to its application.

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