

Coating 101

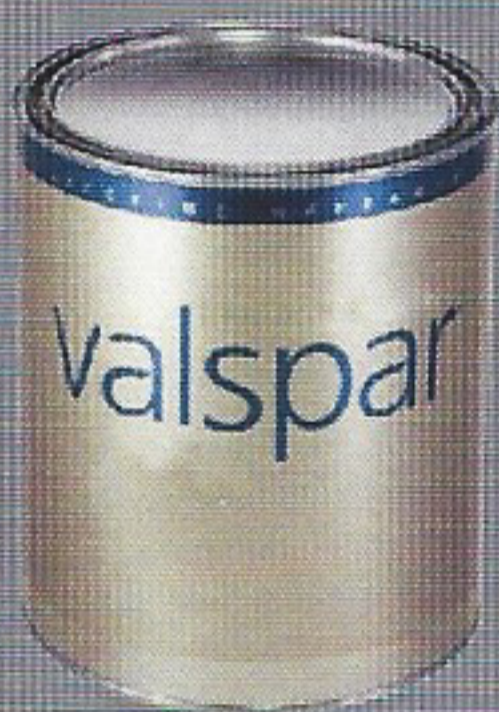
INSPIRE ME

Valspar is always excited to provide education on the world of coatings. Here are a few facts to get you started. Want to learn even more, check out our Continuing Education programs. Program information can be found on the last page.

What is Coating?

Coating is comprised of four principal ingredients: resin, pigment, solvent and additives. The percentage of each item can change depending on the coatings final application and color.

Below is an example of one of the many combinations.



15%

Pigments: provide color, hiding and chemical resistance.

35%

Resin: the binder holding the pigment to the substrate and weather resistance.

50%

Solvents: the vehicle by which the solids are transported to the substrate.

Additives: Any number of chemicals added to the coating, usually in small amounts to bring special effects to the coating.

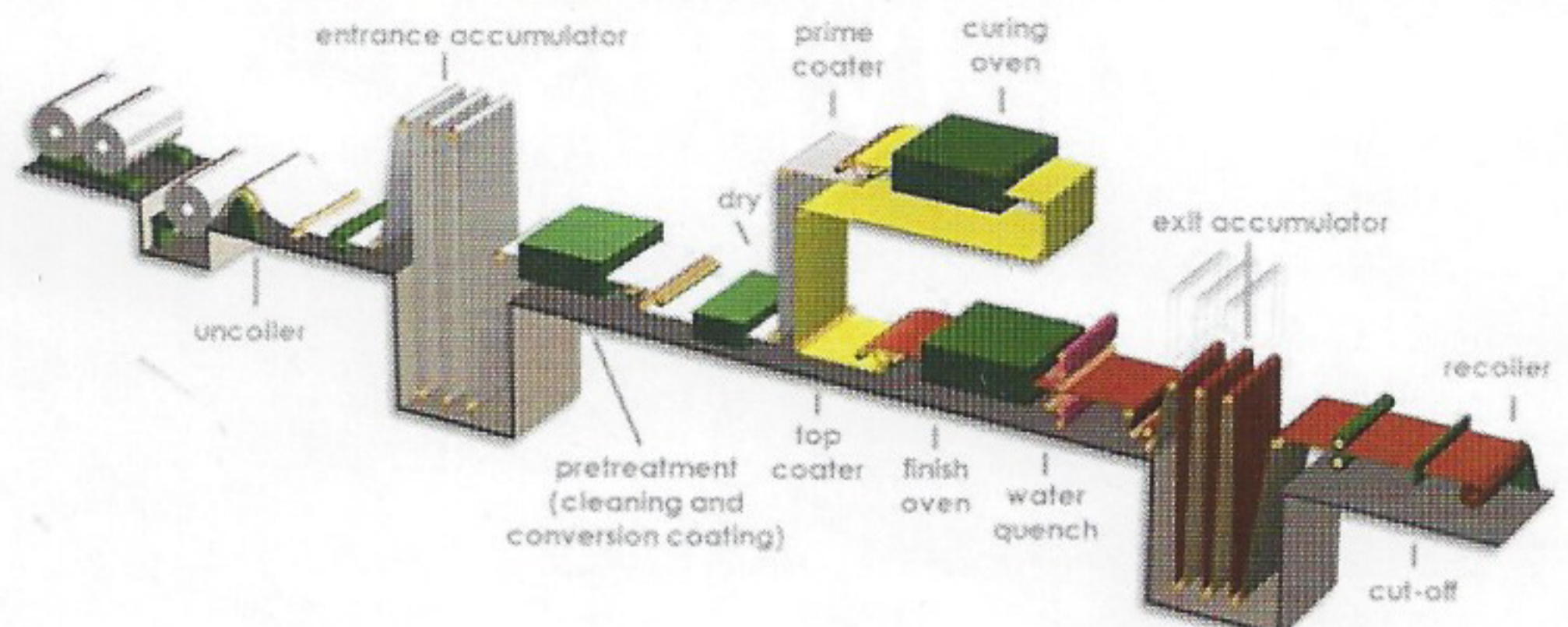
Coating Process

Two types of coating applications

Valspar is the leader in coil and extrusion coatings. Both are protective coatings that are applied in an automated process.

Coil: Continuous Coil

Coil coating are applied to coil formed metal sheets by a continuous, automated process that can happen at up to 700 feet per minute. Coil is unwound, cleaned, treated, primed, painted and baked before being recoiled for shipment.



Extrusion: Horizontal or Vertical Lines

Extrusion coatings are applied in a manufacturing process that consists of cleaning and pretreating aluminum preformed extrusions, through a spray process, and then thermally curing the coating to set the system.

