

Two-Coat Paint Systems



Product Description

A two-coat paint system generally refers to a primer and a topcoat on the same side of the sheet. The pretreatment, also known as “conversion coat”, is not considered a coating and is applied in addition to the primer and topcoat. Therefore, a two coat system generally consists of the pretreatment, a primer and the topcoat.

Application

Primers are formulated to offer superior adhesion between the aluminum substrate and the topcoat and also for additional corrosion protection. The primer can also be applied to achieve more demanding flexibility requirements.

Occasionally two-coats are required to achieve some color targets. The additional film thickness allows you to build more color into the coating. It also allows you to achieve certain desired surface appearances.

Potential End Uses

Two-coat paint systems may be desirable for:

- severe environments
- heavy industrial areas
- areas of chemical exposure
- areas of high replacement cost
- extreme forming requirements
- achieving color or appearance requirements
- areas requiring higher UV resistance



Color and Gloss

Any color or gloss that is available in a single coat system can certainly be supplied as a two-coat system. The two-coat system actually allows a broader availability of colors and paint systems.

Key Features & Benefits

The benefits of a 2-coat paint system are:

- extended longevity of the coating life
- extended product protection
- broader flexibility of the coating
- broader color pallet
- higher solar reflectance
- higher thermal emittance
- long term warranty availability



Our products are widely available from Aleris Rolled Products' authorized, independent metal service centers across North America.
CALL US AT 1-866-266-2586 or EMAIL AT coil.coating@aleric.com
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