National Coil Coating Association

Busting Coil Coating Myths: The Five Misconceptions about Prepainted Metals

As a manufacturer or designer, there are five common myths about coil coating or prepainted metal you need to know. We're going to bust those myths and show you why prepainted metals are your best choice. Here are the real facts.

Myth 1: Prepainted metal is expensive.

The truth is utilizing prepainted metal saves you money by eliminating the costs associated with an in-house paint shop. When you post paint, you have the added expense of labor, materials, scrap and inventory. Plus there are numerous costs (and headaches) dealing with EPA and OSHA compliance. It can cost big bucks making sure you're properly handling wastes, emissions and clean ups. In addition, storing paint in your facility results in higher insurance premiums.

Myth 2: Prepainted metal can't be joined.

Coil coated materials join easily and beautifully. They can utilize any number of joining methods such as adhesive and mechanical assemblies with or without fasteners. Some can even be welded. No matter the joining method, prepainted metal still retains a more beautiful and flawless surface than post-painted metal. View the NCCA tutorial, "How to Join Prepainted Metal."

Myth 3: Prepainted metal is difficult to form.

Prepainted metal forms exceptionally well. The fact is coil coated metal can be formed even with extreme bends, and draws with no damage, loss in surface quality or beauty. Depending on the technology, the coating can actually be more flexible than the substrate. Prepainted metal can be formed and shaped with a finish that is superior to post paint. For additional information on forming, view the NCCA tutorial, "How to Form Prepainted Metal."

Myth 4: Prepainted metal corrodes easily along cut edges.

Tests show prepainted parts, even with exposed edges, have superior exposure resistance compared to post-painted parts. That's because of the uniformity of treatment on both sides and the film thickness of prepaint. View, The Prepainted Cut-Edge: Tougher Than You Think tutorial for more information.