

# Stelcolour Barrier Series™



**U. S. Steel Canada**  
A Subsidiary of United States Steel

## Serious Protection for Serious Environments

**Stelcolour Barrier Series™ is a prefinished steel product, offering superior corrosion protection. This premier thick-film plastisol system has been designed to withstand harsh, corrosive elements found in many industrial and other aggressive environments.**

### Do Your Worst – We Can Take It!

Stelcolour Barrier Series provides remarkably effective, economical and lasting barrier protection in a wide variety of harsh industrial and architectural applications. Our product has been used extensively in chemically aggressive environments such as those found in pulp and paper mills, refineries, smelters, and chemical plants. It has consistently demonstrated its superiority in areas where the elements in combination with salts, acids, alkalis, oxidizing agents, and industrial and automotive fumes are quickly deteriorating a variety of other building materials. Customers are also discovering its advantages under less harsh conditions for applications where corrosion concerns are greater than normal, like buildings and highway noise barriers near salted roadways or in marine environments, or designs featuring protected exposures.

### A Unique Formula for Maximum Protection

Stelcolour Barrier Series is a proprietary thick-film polyvinyl chloride (PVC) plastisol system. The Barrier Series topcoat is unique in the coil coating industry in that it contains no solvent thinners to evaporate during the curing process. As such, virtually all of the applied wet film becomes a homogeneous, cohesive solid coating with very low porosity, forming an effective barrier against outside elements. The high resin content of this coating makes it highly resistant to accelerated ultraviolet (UV) weathering as compared to other PVC - based products.



### Quality Manufactured

The material's thick PVC film is roller-coat applied to the preprimed G90 galvanized steel substrate, and the surface is finished with a finely textured embossment. Manufactured under strict ISO-certified quality control methods, this product possesses a uniform finish, colour, texture, gloss and thickness for optimum appearance and performance. The steel substrate is prepared with a zinc phosphate chemical pretreatment and a specially formulated primer to provide exceptional bonding between the substrate and the PVC coating throughout the life of the cladding. The primer contains corrosion inhibitors for even more corrosion resistance.

### JUST THE FACTS ON...

#### Stelcolour Barrier Series

- Proprietary thick-film PVC plastisol system
- For applications in industrial and other aggressive environments requiring superior corrosion protection
- Highly resistant to pollutants such as salts, acids, alkalis, oxidizing agents, industrial and automotive fumes, as well as natural elements
- Extremely flexible coating can be factory or field-formed without special equipment
- Provides exceptional barrier film resilience against damage
- Available in 32 proven colours
- Custom manufactured in 8mil and 12mil film thicknesses depending on your needs\*

\* 1 MIL = 0.001 IN = 25 µm

### Excellent Durability

Stelcolour Barrier Series is tough but extremely flexible, permitting factory or field forming at room temperature without special equipment. It also features high abrasion- and impact-resistance, and long-term barrier film integrity. Good resistance to photochemical degradation and colour change under UV exposure minimizes weathering damage. Barrier Series can be easily tailored to your specific application with two available film thicknesses (8-mil and 12-mil\*). Backed by over 25 years of Canadian field performance, Stelcolour Barrier Series is the most durable and economical product for your applications requiring superior corrosion protection.



**Hamilton Works**  
**U. S. Steel Canada**  
A Subsidiary of United States Steel