

Stelcolour 4-mil Barrier Series™



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

For Attractive and Durable Residential Roofs

Stelcolour 4-mil Barrier Series™ offers superior corrosion protection coupled with lasting good looks for residential roofing applications. Based on our proprietary thick-film plastisol system, this tough product has been designed to withstand harsh natural elements and pollution found in residential areas across North America, while maintaining its pleasing aesthetics.

Meeting the Challenges of Residential Roofing

Residential roofing is one of the most demanding applications for pre-painted sheet steel today. Not only does a paint system have to provide long-term performance and durability once installed, but it also has to withstand the wear and tear during fabrication and installation. At the same time, residential roofing has to maintain its pleasing appearance to the final customer. Stelcolour Barrier Series has been successfully used for over 20 years in residential roofing and siding in North America. Its unique combination of enduring good looks and outstanding durability make it the ideal choice for this challenging application.

A Unique Coating for Maximum Durability

Stelcolour Barrier Series is a proprietary polyvinyl chloride (PVC) coating that can only be applied over a G90 galvanized substance that has been coated with a microcrystalline zinc phosphate pre-treatment and a specially formulated primer. 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 low porosity, forming an effective barrier to outside elements. The high resin content of the coating makes it very resistant to accelerated ultraviolet weathering as compared to other PVC-based products.

JUST THE FACTS ON...

Stelcolour Barrier Series for Residential Roofing

- Proprietary thick-film PVC plastisol system
- For residential roofing applications
- Outstanding resistance to urban pollutants and natural elements
- At least 4x thicker than thin-film paint systems, offering exceptional protection from physical damage
- Extremely flexible coating can be factory or field-formed without special equipment
- Available in 32 proven colours

Tougher Than Thin Film Paint Systems

Barrier Series for residential roofing is specified with a 4-mil topcoat (0.004-in or 100- μ m) and a reverse wash coat. This film thickness is four times thicker than more traditional thin-film systems. Therefore, 4-mil Barrier Series is more resistant to scratches, marring, falling debris and other accidental abrasion that can occur during installation and regular maintenance of a residential roof. The tough elastic coating can withstand severe fabrication and can be formed to O-T bends without cracking. This impervious barrier coating – in combination with the G90 galvanized substrate, zinc phosphate pre-treatment and special primer – provides for excellent corrosion protection even at drill holes and cut edges, and ensures a trouble free installation for many years.



Quality Manufactured

Like all products from the Stelcolour family, 4-mil Barrier Series is manufactured under strict ISO-certified quality control methods to ensure uniform finish, colour, texture, gloss and thickness for optimum appearance and performance. Our 32 attractive standard colours are backed by over 20 years of Canadian field performance.



Hamilton Works
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