

WITHSTAND THE TEST OF TIME WITH PVdF COATED STEEL

Stand up against decaying elements

Buildings must not only stand the test of time, they should also be able to stand up to the elements. This can be a veritable challenge when one considers the many agents in the natural environment that corrode, fade, or break down building materials. What, then, are we to do?

Our ColorCoat® EnvioShield™ can help.



ColorCoat® EnvioShield™ withstanding the test of time.

Resistance to decaying elements

ColorCoat® EnvioShield™ is our line of steel products protected by polyvinylidene fluoride (PVDF) coating system that comprises 70% Hylar® 5000 or Kynar® 500 PVDF fluoropolymer resin that offers outstanding resistance to the elements, making them particularly useful in metal roofing and cladding systems.

Indeed, the utilisation of such optimised metallic coating steel substrates helps EnvioShield™ achieve industry-leading corrosion resistance and cutting-edge protection.

Resistance to fading

ColorCoat® EnvioShield™ has excellent colour and gloss retention properties that ensure your building looks new and fresh for an extended period. Indeed, EnvioShield™ coated steel possesses excellent dirt resistance that prevents tropical dirt particles from being embedded onto the paint film, so colours stay bright and clean. Our coating system also features superior resistance to ultraviolet light, so the resin's underlying structure stays intact. This provides added resistance to chalking on the steel surface.

Resistance to heat

Our innovative HeatBounce™ solar reflectance technology incorporated in EnvioShield™ steel products helps reflect solar energy off the surface instead of absorbing the heat as conventional steel products would. Laboratory tests show that EnvioShield™ steel reduces peak roof temperature by up to 8°C, depending on the level of insulation, colour, building shape, and function. The lowering of the building's surface temperature helps mitigate the Urban Heat Island effect, and your building can enjoy greater energy efficiency as your air-conditioning system will not have to work as hard to keep interior temperature at comfortable levels.

The reduced thermal tension in the metal also enhances material durability, thereby lowering long-term maintenance costs for your building.



University Industri - UNISEL, Bestari Jaya, Selangor - Roofing

You have our word

We warrant all our EnvioShield™ products for up to 25 years against perforation, and up to 20 years against colour fading. So you can be assured that when you select EnvioShield™, you'll be selecting a building system/solution for the long run.

Assured Quality and Warranty

EnvioShield™ steel comes with a product warranty up to a:

- 25 years warranty* against perforation due to corrosion
- 20 years warranty* against flaking and peeling
- 20 years warranty* against colour fading and chalking
- 5 years warranty* against dirt staining

* Warranty terms and conditions apply



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RESIST WEAR AND DECAY



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YKGI utilises Beckers quality paint for ColorCoat® EnvioShield™ products.

YKGI utilises quality steel products from Nippon Steel & Sumitomo Metal Corporation



www.ykgigroup.com

- DESIGN FLEXIBILITY
- TERMITE PROOF
- WARRANTY
- YKGI PRODUCT
- RECYCLING
- IMPROVED COATING
- DURABILITY
- THERMAL EFFICIENCY



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