

MISSION XP40®



Mission XP40® is engineered to deliver exceptional corrosion resistance and colour protection across the entire building envelope. Specifically developed for severe external building applications, this coating is designed to meet the highest standards of aesthetic quality while offering superior UV resistance, corrosion resistance and adhesion durability.

After years of innovation and dedicated effort, Mission XP40® represents our commitment to creating durable and sustainable building materials. By extending the lifespan of roof and wall systems, the coating significantly reduces the need for replacements, thereby minimising waste and environmental impact.

Usage

- Protex® Roof and Wall Systems
- External Profile
- Flashings & Fabrications
- Flat Sheets

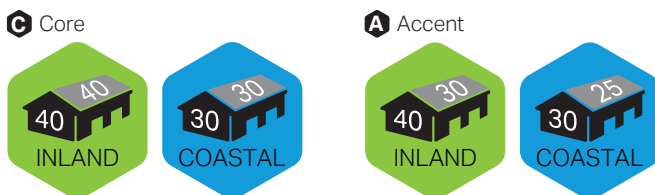
Product Specification

| | <u>Test Standard</u> | |
|----------------------------|----------------------|----------------------|
| Coating Type | High Performance | |
| Material Thickness | 0.7mm | |
| Coating Thickness | EN 13523-1 | 200 Micron Plastisol |
| Appearance | Steon® Embossment | |
| Substrate Coating | +ZM180 | |
| Steel Grade | S280 | |
| Max Operating Temp. | 80°C | |

Coating Performance

| | <u>Test Standard</u> | |
|--------------------------------------|----------------------|--------------------|
| Corrosion Resistance Category | EN 10169 | RC5 |
| UV Resistance | EN 10169 | RUV4 |
| European Fire Classification | EN 13501-1 | C, s2, d0 |
| Adhesion Cross Hatch | EN 13523-6 | 100% |
| Adhesion of Coating (T-bend) | EN 13523-7 | 0T (16°C) 1T (0°C) |
| Salt Spray Test | EN 13523-8 | 1000 Hours |
| Scratch Resistance | EN 13523-12 | 7kg |
| Abrasion Resistance | EN 13523-16 | <7mg |
| Humidity Resistance | EN 13523-25 | 1500 Hours |

Coating Warranty



Product Warranty

Mission XP40® comes with an external performance warranty of up to 40 years. This is made available through Firth Steels.

Photovoltaic

The warranty covers the use of Mission XP40® under photovoltaic (PV) frame modules on a new roof or wall and provides confidence that installing a PV array will not have a detrimental effect on the performance of the pre-finished steel. The warranty allows PV frame modules to be installed at any point through the warranty period, providing it has been registered through the system manufacturer or distributor and ensures the building will still be covered for the remainder of the warranty duration. For more information and terms & conditions, please contact Firth Steels.

Mission XP40® Reassurance

Mission XP40® represents our commitment to quality and innovation at Firth Steels, developed through over 40 years of rigorous testing and precise manufacturing. This esteemed range of pre-finished steel products, which we've had the privilege to see adopted in numerous global projects, proudly bears the mark of numerous small Steon embossments. This unique detailing not only showcases our dedication to excellence but also signifies our firm belief in the product's outstanding performance.

Product Testing

To ensure the integrity of Mission XP40®, the product has undergone laboratory testing to measure its performance against common issues such as the effects of corrosion, sunlight and abrasion.

Sustainability

At Firth Steels, innovation lies at the heart of our philosophy. Our dedication to sustainability pushes us to constantly advance. Presenting Mission XP40R®, a groundbreaking enhancement of our acclaimed Mission XP40®, delivering a greener alternative that not only meets but surpasses industry standards with its environmentally-friendly design. With a wide range of colours, from bold hues to soft shades, Missions XP40R® offers both versatility and sustainability, ensuring each project makes a lasting impression while reducing its environmental footprint.

Contact Firth Steels for more information.



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Mission XP40® is a registered trademark.

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Before using products or services supplied or manufactured by Firth Steels and its subsidiaries, customers should satisfy themselves as to their suitability.

*Warranty is available up to 40 years. Terms and conditions apply.

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Notes:

Warranty periods quoted are applicable to UK and Ireland only and exclude domestic residential applications.

Coastal – refers to buildings within 1.5 miles from lake or sea shoreline.

Full terms and conditions of the Mission XP40® warranty are available from Firth Steels on request.

