

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

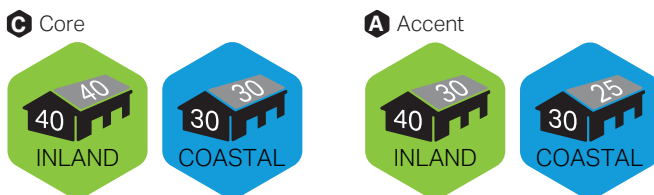
Product Specification

	<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.



Technical team on 01484 405940
technical@firth-steels.co.uk

Trademarks of Firth Steels Ltd.

Mission XP40® is a registered trademark.

While care has been taken to ensure that the information contained in this publication is accurate, neither Firth Steels, nor its subsidiaries accept responsibility or liability for errors or for information which is found to be misleading.

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.

Copyright 2024 Firth Steels Limited.

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.



MISSION XP40® Colour Chart

White					
	White RAL 9003	Black RAL 9005	Anthracite RAL 7016	Slate Grey RAL 7012	
	Greys				
		Wolf Grey RAL 240 80 05	Goosewing Grey RAL 7038	Pure Grey RAL 000 55 00	Merlin Grey RAL 180 40 05
Blues					
		Wedgewood Blue RAL 220 50 15	Ocean Blue RAL 220 30 25	Navy RAL 5003	Slate Blue RAL 220 20 05
	Greens				
		Ivory RAL 9002	Buttermilk RAL 1015	Mushroom RAL 080 70 10	Willow RAL 100 80 20
Reds					
		Moorland Green RAL 100 60 20	Olive Green RAL 6003	Juniper Green RAL 6007	Vandyke Brown RAL 8014

Other colours available on request.
*All RAL references to nearest RAL.