

# TECHNICAL



## BDX® - X9 ProteXion™

The **BDX®** screw with **X9 ProteXion™** coating is engineered to provide high-performance fastening solutions for steel and timber applications, offering enhanced durability and corrosion resistance suitable for severe Australian environmental conditions.

**X9 ProteXion** coating is suitable for **ISO 9223 category 4** environments.

These screws have been developed and sourced within Hobson's quality management system which is certified to **ISO 9001**.

**X9 ProteXion** coating provides corrosion performance suitable for the category 4 environments described in:

- **ISO 9223** — Corrosion of metals and alloys — Corrosivity of atmospheres — Classification.
- **AS 4312** — Atmospheric corrosivity zones in Australia, enabling appropriate product selection based on atmospheric corrosivity categories (C1–CX) and Australian environmental severity zones.

### CORROSIVITY CATEGORIES ACCORDING TO ISO 9223 AND AS 4312

Category	Corrosivity	Typical Environment
<b>C1</b>	Very Low	Dry indoors
<b>C2</b>	Low	Arid / urban inland
<b>C3</b>	Medium	Coastal or light industrial
<b>C4</b>	High	Seashore (calm)
<b>C5</b>	Very High	Seashore (surf)
<b>CX</b>	Extreme	Shoreline (severe surf)

For guidance on distance recommendations, including distance to the shoreline and other corrosive environmental sources, please refer to AS 4312 Section 3 and ensure alignment with the corrosion category parameters defined in ISO 9223.

The **BDX** screw with **X9 ProteXion** coating is designed to accommodate a broad spectrum of structural and non-structural applications. Correct fastener selection must consider substrate type, material thickness, environmental exposure classification, and load requirements.

Prior to installation of **X9** coated screws, technical data and application parameters should be reviewed and approved by a suitably qualified design professional responsible for the project design to ensure compliance with applicable codes, standards, and site conditions.

Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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