

COATINGS & MATERIALS

CARBON STEEL

Coatings are primarily applied to enhance corrosion resistance and minimise friction during installation. In addition, coatings may also serve an aesthetic function in applications where visual appearance is important.

COATING/MATERIAL	DESCRIPTION	OVERVIEW	CORROSION RESISTANCE	
Plain/Black/Natural	Plain, Black & Natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.	Plain or uncoated fasteners offer no corrosion protection they are supplied lightly oiled to inhibit the rust process prior to installation and help during installation.	—	
Chrome Plated	Chrome Plating is a process of depositing a thin layer of chromium onto the surface of a steel object through electroplating. It enhances durability, corrosion resistance and aesthetic appeal.	Bremick® Chrome Plated Coating provides a low level of corrosion protection and is recommended for dry internal application. Bremick® Chrome Plating complies with ISO 2082.	Low	
Zinc Plated	Zinc Plating is a process of depositing a thin layer of zinc onto the surface of a steel object through electroplating. The steel object is then passivated with a transparent conversion layer.	Bremick® Zinc Plated Coating provides a low level of corrosion protection and is recommended for dry internal application. Bremick® Zinc Plating complies with AS1789.	Low	
Zinc Yellow Passivate	Zinc Yellow Passivate is a process of depositing a thin layer of zinc onto the surface of a steel object through electroplating. The steel object is then passivated with a yellow conversion layer.	Bremick® Zinc Yellow Passivate Coating provides a low level of corrosion protection and is recommended for dry internal application. Bremick® Zinc Yellow Passivation complies with AS1789.	Low	
Mechanical Galvanised	Mechanical galvanised is a process by which a steel object is tumbled with zinc powder and glass beads in a rotating drum. The mechanical action causes the zinc powder to firmly adhere to the surface of the steel.	Bremick® Mechanical Galvanised Coating provides a moderate/high level of corrosion protection and is recommended for damp external application. Bremick® Mechanical Galvanised is both a Class 2 & Class 3 to ISO 12683.	Moderate/High	
Hot Dipped Galvanised	Hot Dipped Galvanised is a process of dipping a steel object into a molten bath of zinc (455° - 480°C). The molten zinc adheres to the anchor surface covering all the corners and edges.	Bremick® Hot Dipped Galvanised Coating provides a moderate/high level of corrosion protection and is recommended for damp external application. Bremick® Hot Dipped Galvanising complies with AS/NZS 1214.	Moderate/High	
Ceramic Coated	Ceramic Coated is a multi-layer coating with a zinc base coat and ceramic topcoat. Ceramic top coat hardness makes it resistant to abrasion.	Bremick® Ceramic Coating provides a high level of corrosion protection and is recommended for damp external application. Bremick® Ceramic Coating is a Proprietary Coating System.	High	
B8® Coating	B8® is a high-performance complex alloy coating system that offers 2x the corrosion protection of class 4 galvanising. High abrasion resistance properties make it 8x harder than class 4 galvanised.	Bremick® B8® Coating provides a very high level of corrosion protection and is recommended for damp external application. Bremick® B8® Coating is a Class 4 /Category 5 Proprietary Coating System.	Very High	

NOTE: Galvanising is a general term that should not be used without further reference i.e. mechanical galvanising or hot dipped galvanising

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STAINLESS STEEL

Coatings are primarily applied to enhance corrosion resistance and minimise friction during installation. In addition, coatings may also serve an aesthetic function in applications where visual appearance is important.

COATING/ MATERIAL	DESCRIPTION	OVERVIEW	CORROSION RESISTANCE	
Stainless Steel 304	304 is the most commonly used stainless steel. It is an austenitic, offers excellent strength and corrosion resistance.	Bremick® 304 Stainless Steel provides an extreme level of protection and is recommended for wet external application. Bremick® 304 Stainless Steel is an austenitic stainless steel that offers all round performance.	Extreme	
Stainless Steel 316	316 is a Marine Grade SS – It contains 2-3% Molybdenum which provides highest possible corrosion protection than 304 Stainless steel.	Bremick® 316 Stainless Steel provides the ultimate level of protection and is recommended for external application and marine environments.	Ultimate	
Molycoat Stainless Steel 316	Molycoat is a Molybdenum disulphide dry film lubrication coating that is applied primarily to implement lubricity. It also provides moderate levels of corrosion resistance and can be used across a wide spectrum of service temperatures	Bremick® Molycoat applied to 316 Stainless Steel provides the ultimate level of protection and is recommended for external application and severe marine environments of categories C4 classified by ISO 9223	Ultimate	