

# 'C' Coat 300 End Covers



## Description

'C' Coat 300 is a highly durable surface coating designed to protect components manufactured from cast iron from the corrosive attack of sea water, chemicals or mineral rich water, thus providing a more cost effective alternative to traditional materials, such as Naval Brass.

## Specification

Chemical resistance:	Very good
Solvent resistance:	DIN 50021, unlimited
Corrosion resistance:	Very good
Water absorption:	Nil
Wear resistance:	Very good
Flammability:	Does not support combustion
Temperature resistance:	-40 to + 70° C, thermoplastic behavior
Heat conductivity:	Good
Fatigue resistance:	Good
Resistance to water diffusion:	Nil diffusion
Electrical resistance:	Electrical insulator
Friction, static:	Classed as a low friction coating
Release properties:	Fair non-stick performance
Surface roughness:	RA < 1.5 µm
Loadability:	Does not creep under load
Coating thickness:	nominal 300 µm
Colour:	Black

## Application

Developed primarily for use in sea water applications and in conjunction with one of the world leaders in surface coating technology, 'C' Coat 300 is a heavy fusion bonded, pinhole free epoxy coating, that is impervious to chemical attack. 'C' Coat 300 provides a highly durable solution that helps prevent the risk of galvanic reaction between dissimilar materials - a common cause of corrosion inside the heat exchanger - plus sea water erosion of the end cover internal surface. Heat exchangers fitted with 'C' Coat 300 end covers have the same maximum operating pressure and temperatures as the traditional units.

## Range

'C' Coat 300 finished end covers are supplied as standard on the **FG, GL, JK** and **PK** ranges of swimming pool heat exchangers.

Additionally, 'C' Coat 300 end covers are available as an alternative to Naval Brass on the **GL, GK, JK, PK, RK, GH** plus **JH** and **PH** (3 pass and 1 pass) ranges of marine heat exchangers and oil coolers.

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