



Flow Control

Tyco Water

Jotun Corro-Coat EP-F 5001 thermosetting fusion bonded epoxy coatings provide corrosion protection for fittings, valves and hydrants. The coating system and application complies with AS/NZS 4158.

Features

- Excellent corrosion resistance to
 - water
 - wastewater
 - sea water and mist
- Chemical resistance to
 - hydrocarbons
 - solvents
 - salts
 - alkalis and many others
- Outstanding
 - abrasion resistance
 - impact resistance
 - flexibility
 - thermal resistance
 - weathering and chalking resistance
- Low
 - water absorption
 - friction coefficient
- Wide range of working temperatures
- Long service life

Typical Type Test Results

Test	AS/NZS 4158 Requirement	Corro-Coat EP-F 5001 Result
Hot Water Immersion	<= 1	= 0
Water Absorption	<= 4.0%	0.8%
Flexibility	no crack @ 1.0%	no cracks
Impact Resistance	>= 2.0 J	4.6 J
Abrasion Resistance	<= 40mg	39mg
Cathodic Disbondment	<= 15mm	1mm
Thermal Stability	<= 35% change to melt flow rate after 100 days @100°C	No holidays or cracks
Ultraviolet Radiation	<= 35% change to melt flow rate after 100 days @100°C	No holidays or cracks
Water Contact	No effect when used to convey drinking water	AS 4020 certified

Production Batch Release Requirements

Test	Requirement
Thickness	>350µm - <600µm
Continuity	no holidays
Adhesion	<= 1
Cure	Pass MEK rub test

Technical Data

Coating Thickness:

350µm(minimum)

Application Method:

Fluidised Bed

Maximum Temperature : 50°C

Colour: Blue

Standards:

AS/NZS 4158 - Thermal-bonded polymeric coatings on valves and fittings for water industry purposes.
AS 4020 - suitable for contact with drinking water.

