



Material Safety Data Sheet



Section 1 Company and Product Identification

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Jubilee® P Clips Mild Steel Zinc Plated (W1) Range

Part Number	Diameter mm	Band Width mm	Band Thickness mm	Fastening
JPC005MS	5	12.7	0.75	M4/5
JPC006MS	6	12.7	0.75	M4/5
JPC008MS	8	12.7	0.75	M4/5
JPC009MS	9	12.7	0.75	M4/5
JPC010MS	10	12.7	0.75	M4/5
JPC012MS	12	12.7	0.75	M4/5
JPC013MS	13	12.7	0.75	M4/5
JPC014MS	14	12.7	0.75	M4/5
JPC015MS	15	12.7	0.75	M4/5
JPC016MS	16	12.7	0.75	M4/5
JPC017MS	17	12.7	0.75	M4/5
JPC018MS	18	12.7	0.75	M4/5
JPC019MS	19	12.7	0.75	M4/5
JPC020MS	20	12.7	0.75	M4/5
JPC021MS	21	12.7	0.75	M4/5
JPC022MS	22	12.7	0.75	M4/5
JPC025MS	25	12.7	0.75	M4/5
JPC027MS	27	12.7	0.75	M4/5
JPC028MS	28	12.7	0.75	M4/5
JPC029MS	29	12.7	0.75	M4/5
JPC030MS	30	12.7	0.75	M4/5
JPC032MS	32	12.7	0.75	M4/5
JPC035MS	35	12.7	0.75	M4/5
JPC040MS	40	12.7	0.75	M4/5
JPC044MS	44	12.7	0.75	M4/5
JPC048MS	48	12.7	0.75	M4/5
JPC052MS	52	12.7	0.75	M4/5

Section 2 Composition/Information on Ingredients

Composition/Information on constituents zinc coated iron alloy

Carbon	< 0.12%
Silicon	< 0.3%
Manganese	< 1.66%
Phosphorus	< 0.02%
Sulphur	< 0.004%
Chromium	< 0.5%
Aluminium	> 0.02%

Zinc coat, Coating weight < 500g/m², Coating composition:

Zinc	> 99.6% by wt
Aluminium	< 0.4% by wt
Trace elements*	< 0.003% by wt

*Sum of Pb and Cd

CRVI free plating

Section 3 First Aid Measures

Inhalation:	There are no specific symptoms associated with steel in the product forms.
Skin:	There are no specific symptoms associated with steel in the product forms.
Eyes:	Not applicable.
Ingestion:	Not applicable.

Section 4 Fire Fighting Measures

Non flammable

Section 5 Handling and Storage

Store in a dry area

Section 6 Physical and Chemical Properties

Band:

Colour:	Metallic grey/silver
Smell:	None
Form/state:	Solid
Melting point:	1425 °C - 1540 °C
Max service temp:	426 °C
Min service temp:	-45 °C
Magnetism:	1500-2000 μ
Resistance:	17.2 $\mu\Omega$
Density:	7.83 g/cm ³

Section 6 Physical and Chemical Properties Continued

Liner:

EPDM (Ethylene Propylene Diene Monomer)

Max Service Temp: 120 °C
Min Service Temp: -30 °C
Shore Hardness: 70 Shore
Tensile Strength: 7Mpa Min
Elongation at Break: 400%
Change in Hardness: +10 Max
Change in Tensile: -25% Max
Change in Elongation: 25%
Compression Set: 35% Max

Section 7 Stability and Reactivity

Stability: Stable in normal condition
Reacts with: Reacts with strong acids, and hydrogen is then one of the substances emitted.
Welding/flame cutting may produce Zinc Oxide fumes.
Corrosion Resistance: NSS (Neutral Salt Spray tests) 72 hours

Section 8 Toxicological Information

Not applicable to steel in the product forms.

Section 9 Ecological Information

No ecological effects are known for the product as a whole.

Section 10 Disposal Considerations

Disposal method: Recyclable, Jubilee® clips' Mild Steel P Clip Range are made from key raw material for the production of new steel. Steel is the world's most recycled construction material and can be recycled with retained material properties.

Section 11 Transport Information

No special requirements are necessary in transporting these products.

Section 12 Regulatory Information

ASTM D2000 4AA 7070 A13 B33
This product conforms to EU Regulation 1097/2006 (REACH)
This product is compliant with EU directive 2011/65/EU (ROHS2)
BS EN ISO 9001:2008 FM00547
BS EN ISO 14001:2004 EMS573195
BS OHSAS 18001:2007 OHS601983

Quality Assurance:



Section 13 Other Information

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