

JIS

JAPANESE INDUSTRIAL STANDARD

Methods of test for hot dip aluminized coatings on ferrous products

JIS H 8672—1995

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.



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Methods of test for hot dip aluminized
coatings on ferrous products

H 8672-1995

1. **Scope** This Japanese Industrial Standard specifies the methods of test for hot dip aluminized coatings ⁽²⁾ (hereafter referred to as "coatings") processed for the purposes of improving weather-fastness, corrosion resistance, and heat resistance on ferrous products ⁽¹⁾.

Notes ⁽¹⁾ Steel sheets, stainless steel, and heat-resisting steel are excepted.

⁽²⁾ By using virgin aluminium ingot of type 3 specified in JIS H 2102 or having purity at least equal thereto, and the coatings are defined by a bath without any other elements.

Remarks: The following standards are cited in this Standard:

JIS G 3544 Hot-dip aluminium-coated steel wires

JIS H 2102 Virgin aluminium ingots

JIS K 8102 Ethanol (95)

JIS K 8180 Hydrochloric acid

JIS K 8400 Antimony (III) chloride

JIS K 8407 Antimony (III) oxide

JIS K 8576 Sodium hydroxide

JIS K 8594 Petroleum benzine

2. **Classification of ferrous products** Ferrous products shall be classified into six classes as given in Table 1 according to the shape and dimensions for convenience of a coating test.

Table 1. Classification of ferrous products

Ferrous products	
Classification	Application
Pipes and tubes	Boiler and heat exchanger steel tubes, steel pipes for piping, steel tubes for structural purposes, etc.
Rolled steels	Steel plate, steel sections, steel flats, steel bars, steel strip in coil, etc.
Wires	Low carbon steel wires, steel wires, wire rope, low carbon steel stranded wire, steel stranded wire, etc.
Bolts and nuts	Various kinds of bolts and nuts, or the like
Castings and forgings	Iron castings, malleable iron castings, steel castings, steel forgings, etc.
Can products	Can products formed by welding or the like