

JIS

JAPANESE INDUSTRIAL STANDARD

Lead suboxide
anticorrosive paint

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In the event of any doubt arising,
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Lead suboxide anticorrosive paint

K 5623-1995

1. Scope This Japanese Industrial Standard specifies the lead suboxide anticorrosive paint which can be used for primary coat of large-sized steel structures and general steel structures, constructed outdoor.

Remarks 1. The lead suboxide anticorrosive paint shall be liquid coating dryable naturally by oxidation, which is suitable for applying by brushing or spraying, and is manufactured in couple, one is the powder of lead suboxide and the other is separately compounded liquid for coating (its vehicle is boiled oil or phthalic resin varnish), and both of which are mixed when supplied for service. It is recommendable to use the mixture within 30 h after mixing.

2. The standards cited in this Standard shall be listed as follows.

JIS K 5108 Red lead (pigment)

JIS K 5400 Testing methods for paints

JIS K 5407 Testing methods for paint components

JIS K 5410 Panels for testing of paints

JIS K 5421 Boiled oil and boiled linseed oil

JIS K 5500 Glossary of paint terms

JIS K 5516 Ready mixed paint (Synthetic resin type)

JIS P 3801 Filter paper (for chemical analysis)

3. The terms used in this Standard shall follow JIS K 5500.

2. Classification Classification shall be as follows.

(1) Class 1 Boiled oil is used for vehicle.

(2) Class 2 Phthalic resin varnish is used for vehicle.

3. Quality

3.1 Powder of lead suboxide The quality of lead suboxide powder shall conform to the requirements in Table 1 when tested in accordance with 5.

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Table 1. Quality of lead suboxide powder

Item	Quality
Appearance	Fine amorphous powder colored dark gray tinged with yellow, blue, or brown.
Qualitative test of lead suboxide	There shall be the reaction by lead suboxide.
Lead (Pb) %	90 min.

3.2 Liquid for coating The quality of liquid for coating shall conform to the requirements in Table 2 when tested in accordance with 5.

Table 2. Quality of liquid for coating

Item	Classification	
	Class 1	Class 2
Condition in container	When being stirred, it makes uniform condition without any hard lumps in it.	

3.3 Lead suboxide anticorrosive paint The lead suboxide anticorrosive paint shall be prepared by mixing gradually powder of lead suboxide and liquid for coating at the gravimetric ratio of 20:80, and its quality shall conform to the requirements in Table 3 when tested in accordance with 5.