

JIS

JAPANESE INDUSTRIAL STANDARD

**Corrosion Inhibitor for
Reinforcing Steel in Concrete**

JIS A 6205—1987

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by

Japanese Standards Association

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

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Corrosion Inhibitor for Reinforcing Steel
in Concrete

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1. Scope

This Japanese Industrial Standard specifies the corrosion inhibitor for reinforcing steel in concrete, hereinafter referred to as the "corrosion inhibitor", used for admixture in general concrete⁽¹⁾.

Note ⁽¹⁾ The general concrete does not include the concrete for which autoclave-curing is carried out.

Remark: The units and numerical values given in { } in this Standard are based on the International System of Units (SI) and are appended for informative reference.

2. Definitions

The corrosion inhibitor means the admixture used for preventing the corrosion of reinforcing steel in concrete caused by the chloride contained in the material used.

3. Quality

3.1 Performance The corrosion inhibitor shall be tested in accordance with 5. and conform to the requirements specified in Table 1.

Table 1. Performance of Corrosion Inhibitor

| Test item | Specification | | | Test method |
|--|---|---|----------------------|-------------------|
| Salt water immersion test for reinforcing steel | Corrosion shall not be observed | | | According to 5.1. |
| Accelerated corrosion test for reinforcing steel in concrete | Corrosion prevention rate shall be not less than 95 % | | | According to 5.2. |
| Test for setting time and compressive strength of concrete | Difference of setting time | Start | ± 60 min or under | According to 5.3. |
| | | End | | |
| | Compressive strength ratio | 7 days in age 28 days in age | 0.90 or over | |

Applicable Standards: See page 14.