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Iron and steel slag for road construction

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Contents

Page

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Nippon Slag Association (NSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently, **JIS A 5015**:2008 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Iron and steel slag for road construction

Introduction

This Japanese Industrial Standard specifies the quality and the like required for using the iron and steel slag produced in the steel manufacturing process as the base course and the hot laid asphalt mix of roads. This Standard was established in 1979 and has gone through two-time revisions and another revision by amendment up to the present. Although the last revision by amendment was made in 2008, after that, the revision this time is to correspond to the development of "Guidance for introducing environmentally sound quality of chemicals and inspection method to slag material for road construction" issued on July 12, 2011 as Annex 2 of "Guide for the inclusion of environmental aspects in architecture sector standards" (decision on March 28, 2003 by Technical Committee on Civil Engineering and Technical Committee on Architecture) by Technical Committee on Civil Engineering and Technical Committee on Architecture of Japanese Industrial Standards Committee. Furthermore, a comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex F.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the iron and steel slag used for the base course and the hot laid asphalt mix of roads (hereafter referred to as "iron and steel slag for road construction").

NOTE 1 For the iron and steel slag, there are the blast furnace slag that is produced in the pig iron manufacturing process and the steelmaking slag that is produced in the steel manufacturing process. The blast furnace slag is classified into the air-cooled blast furnace slag and the granulated blast furnace slag according to the difference in cooling process. The steelmaking slag is classified into the convertor-system slag and the electric furnace-system slag according to the difference in manufacturing methods of steels.

NOTE 2 In the iron and steel slag for road construction, there is one that is manufactured for the base course material using blast furnace slag and steelmaking slag as material, singly or in combination, and the other that is manufactured for the aggregates to be used for the hot laid asphalt mix and the bituminous stabilization (heating mixture) using steelmaking slag as material.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS A 1102 *Method of test for sieve analysis of aggregates*