

Translated and Published by Japanese Standards Association

 $JIS \ A \ 5011-5:2020$

(JWPA)

Slag aggregate for concrete— Part 5: Coal gasification slag aggregate

ICS 91.100.15

 $Reference\ number:\ JIS\ A\ 5011\text{--}5:2020\ (E)$

A 5011-5: 2020

Date of Establishment: 2020-10-20

Date of Public Notice in Official Gazette: 2020-10-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Civil Engineering

JIS A 5011-5:2020, First English edition published in 2020-11

Translated and published by: Japanese Standards Association Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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

© JSA 2020

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

Contents

			Page
1	Scope		1
2	Normative references		1
3	Terms and defin	itions	2
4 4.1 4.2 4.3 4.4	Division according to grain size		4 4 5
5	Designation		5
6 6.1 6.2 6.3	Chemical composition and physical properties		5 5
$6.4 \\ 6.5$		tivity ······ sound quality criteria ······	
7 7.1 7.2 7.3 7.4 7.5	Chemical analysis and physical properties test		8 8 8
8 8.1 8.2 8.3 8.4	Inspections		9 9 9
9	Marking		11
10	Report ·····		12
Ann	ex A (normative)	Analysis of chemical composition and carbon content of coal gasification slag fine aggregate	
Ann	ex B (normative)	Tests for environmentally sound quality of coal gasification slag fine aggregate	29

Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Coal Energy Center (JCOAL)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

This **JIS** document is protected by the Copyright Law.

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

Slag aggregate for concrete— Part 5: Coal gasification slag aggregate

JIS A 5011-5:2020

1 Scope

This Japanese Industrial Standard provides requirements for coal gasification slag aggregate to be used for concrete.

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 0203 Concrete terminology
- JIS A 1102 Method of test for sieve analysis of aggregates
- JIS A 1103 Method of test for amount of material passing test sieve 75 μm in aggregates
- JIS A 1104 Methods of test for bulk density of aggregates and solid content in aggregates
- JIS A 1109 Methods of test for density and water absorption of fine aggregates
- JIS A 1110 Methods of test for density and water absorption of coarse aggregates
- JIS A 1145 Method of test for alkali-silica reactivity of aggregates by chemical method
- JIS A 1158 Method for reducing samples of aggregate to testing size
- JIS K 0050 General rules for chemical analysis
- JIS K 0058-1 Test methods for chemicals in slags—Part 1: Leaching test method
- JIS K 0058-2 Test methods for chemicals in slags—Part 2: Test method for acid extractable contents of chemicals
- JIS K 0116 General rules for atomic emission spectrometry
- JIS K 0119 General rules for X-ray fluorescence analysis
- JIS K 0211 Technical terms for analytical chemistry (General part)
- JIS K 8001 General rules for test methods of reagents
- JIS K 8085 Ammonia solution (Reagent)
- JIS K 8102 Ethanol (95) (Reagent)
- JIS K 8155 Barium chloride dihydrate (Reagent)
- JIS K 8180 Hydrochloric acid (Reagent)
- JIS K 8223 Perchloric acid (Reagent)
- JIS K 8432 Magnesium oxide (Reagent)
- JIS K 8541 Nitric acid (Reagent)