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JIS A 5031 : 2010

**Melt-solidified slag aggregate for concrete
derived from municipal solid waste and
sewage sludge
(Amendment 1)**

JIS A 5031 : 2006 has been revised under date of July 20, 2010.
The revised items are included in this Amendment 1 and use this
in combination with JIS A 5031 : 2006.

ICS 91.100.30

Reference number : JIS A 5031 : 2010 (E)

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Foreword

This translation has been made based on the Amendment to the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

Consequently, JIS A 5031:2006 is partially replaced with this Amendment.

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Standards Board
Technical Committee on Civil Engineering

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In the event of any doubts arising as to the contents,
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Melt-solidified slag aggregate for concrete derived from municipal solid waste and sewage sludge (Amendment 1)

JIS A 5031 : 2006 is revised as follows.

1 Scope

Replace the first paragraph by the following.

"This Standard specifies the melt-solidified aggregate for concrete manufactured by melting the municipal solid waste, sewage sludge and their burned ashes at a high temperature of at least 1 200 °C to the complete molten state and cool-solidifying them (hereafter referred to as "melt slag aggregate")."

1 Scope

Replace NOTE 3 by the following.

"3 The melt slag aggregate is not applied to the following materials.

- Ready-mixed concrete specified in JIS A 5308
 - Concrete block for buildings specified in JIS A 5406
 - Prestressed concrete
 - Precast concrete for buildings used for the base of buildings, principal structure part and other parts important for safety, fire protection and sanitation.
- 4 The melt slag aggregate specified in this Standard may be applied to concrete which satisfies both of the following conditions in consideration of materials in NOTE 3 which are outside the scope.
- Standard design strength of 35 N/mm² or under
 - Water-cement ratio of 55 % or under in order to ensure the durability

However, if it is confirmed that for precast concrete products the purchaser of melt slag aggregate has sufficient knowledge about applicable conditions such as characteristics of the products, required strength, durability and environment for installation and it is required by the person who orders the precast concrete products, the melt slag aggregates may be used for the precast unreinforced concrete products specified in JIS A 5371 and the precast reinforced concrete products specified in JIS A 5372 with the standard design strength of over 35 N/mm²."