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**Technical specification for disintegrating of molten steel slag
by self-generating steam**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Some of the contents of this document may involve patents. The issuing organization of this document shall not be responsible for identifying patents.

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Technical specification for hot stuffing of molten steel slag

1 Scope

This document specifies the basic requirements, process flow, hot stuffing of molten steel slag tanks with pressure, hot stuffing of molten steel slag tanks with normal pressure, hot stuffing of molten steel slag tanks, hot stuffing of molten steel slag tanks with high pressure...

Pressure heating, molten slag pool heating, tank heating, pool heating, equipment requirements, automation requirements, dust removal design and particulate matter removal Release requirements and water requirements for slag treatment.

This document is applicable to the tank-type pressurized hot stuffing treatment, tank-type atmospheric pressure hot stuffing treatment and pool-type hot stuffing treatment of converter and electric arc furnace steel slag.

2 Normative references

GB/T 3766

GB/T 20491

GB/T 25824

GB 50010

3 Terms and Definitions

The terms and definitions defined in YB/T 804 and the following apply to this document.

3.1 A method for rapidly digesting magnesium oxide and pulverizing steel slag

The hot slag is put into the pressure hot stuffing device, and water is sprayed to generate pressurized steam above 100°C, which makes the free calcium oxide and free oxygen in the slag

3.2 A method for rapidly digesting and pulverizing steel slag

The hot slag is placed in a normal pressure hot stuffing device, and water is sprayed to generate 100°C normal pressure steam, which dissociates the free calcium oxide and free magnesium oxide in the slag.

4 Basic Requirements

4.1 The steel slag hot stuffing treatment system should be designed, constructed and put into operation at the same time as the main steelmaking project.

4.2 The dust removal and other pollution prevention facilities supporting the steel slag hot stuffing treatment line should be designed and constructed at the same time as the main steel slag hot stuffing treatment project.

Put into use at the same time.