भारतीय मानक ब्यूरो

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भारतीय मानक प्रारूप अग्निसह परीक्षण खंड तैयार करना — वायुचालित नौजल मिश्रित प्रकार के बंदूको द्वारा गणनिंग अग्निसह पैनल तैयार करना

Draft Indian Standard

Refractory test-piece preparation — Gunning refractory panels by the pneumatic-nozzle mixing type guns

ICS 81.080

Refractories Sectional Committee, MTD 15.

Last date of comment: 13/12/2023

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 20182:2008 'Refractory test-piece preparation — Gunning refractory panels by the pneumatic-nozzle mixing type guns' issued by the International Organization for Standardization (ISO), and subject to its finalization, is to be adopted by the Bureau of Indian Standards on the recommendation of the Refractories Sectional Committee and approval of the Metallurgical Engineering Division Council.

The text of ISO standard has been approved as suitable for publication as in Indian Standard without deviations. Certain terminologies and conventions are, however, not identical with those used in Indian Standard. Attention is especially drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, it should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exists. The corresponding Indian Standards which are to be substituted in their place are listed below along with their degree of equivalence for the edition indicated:

International Standard	Corresponding Indian Standard	Degree	of
		Equivalence	

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ISO 836 : 2001 Terminology for refractories.	IS 4041 : 2006 Terminology for refractories (First Revision).	Identical
ISO 8656-1 : 1988 Refractory products — Sampling of raw materials and unshaped products — Part 1: Sampling scheme.	IS 1528 (Part 7) : 2010 Methods of sampling and physical tests for refractory materials: Part 7 methods of sampling and criteria for conformity (Second Revision).	Not equivalent

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (second revision)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

The scope of the standard is as follows:

SCOPE

This International Standard describes the procedure for the preparation of test panels from refractory materials by gunning through pneumatic-nozzle mixing type guns at ambient temperatures.

NOTE — The values obtained from test pieces cut from the panel prepared using this method might not correspond with those obtained from test pieces of the same material prepared at a gunning installation site.

This International Standard does not apply to plastic gunning mixes, and might not apply to those mixes that contain aggregates that are susceptible to hydration.

It also does not apply to shotcrete type mixes.

The complete document/text of ISO 20182:2008 'Refractory test-piece preparation — Gunning refractory panels by the pneumatic-nozzle mixing type guns' may be made available, on request to:

संजीव मैनी / Sanjiv Maini वरिष्ठ निदेशक, वैज्ञानिक 'एफ' एवं प्रमुख / Senior Director, Scientist 'F' & Head धातुकर्म अभियांत्रिकी विभाग / Metallurgical Engg. Department भारतीय मानक ब्यूरो / Bureau of Indian Standards, मानक भवन, नई दिल्ली / Manak Bhavan, 9, B.S.Z. Marg, New Delhi-110002 E-mail: mtd@bis.gov.in, mtd15@bis.gov.in Tel: + 91 11 23231085

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