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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 18257-2021

**Hot-face identification marking of refractory bricks for use in
rotary kilns**

回转窑用耐火砖热面标记

(English Translation)

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Foreword

This Standard identically adopts international standard ISO 9205.1988

"Refractory bricks for use in rotary kilns - Hot-face identification marking".

This Standard was proposed by National Bureau of Metallurgical Industry.

This Standard shall be under the jurisdiction of National Technical Committee on Refractory of Standardization Administration of China.

Main drafting organizations of this Standard. China Academy of Building Materials Science.

The drafting organizations of this Standard. State-owned Yixing Refractory Equipment Factory, State-owned Xinmi Refractory Material Factory.

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Refractory bricks for use in rotary kilns - Hot-face identification marking

1 Scope

This Standard specifies hot-face identification marking for refractory bricks for use in rotary kilns.

This Standard is applicable to the identification marking for simply and quickly

checking whether the wedge-shaped refractory bricks are built in the correct direction and the refractory bricks used for different kiln diameters.

2 Normative references

The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. At the time of publication, the editions indicated are valid. All standards are subject to revision. The parties who are using this Standard shall explore the possibility of using the latest version of the following standards.

GB/T17912-1999, Refractory bricks for rotary kilns - Dimensions (neq ISO 5417.1986)

3 Technical requirements

The "notch" system (clause 4) shall be used as the principal method of marking. The colour coding system (clause 5) shall be used as an additional extra system where requested.

NOTE: The need for colour coding should be agreed between manufacturer and purchaser.

4.1 Types of notch

Each notch shall be distinct and shall penetrate into the brick so that it is easily recognized. The notches shall have rounded edges. Three types of notches are illustrated in Figure 1, and one of these types shall be used. The dimensions of the notch are not critical.

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