

HuaMing Alumina Technology Ltd., China

<http://www.alumina-ball.com/>

Industry standards for Alumina Lining Brick

JC/T 848.2 – 1999, China

1. Application Scope

The standards stipulate the product classification, technical requirement, testing method, inspecting regulations and sign, packing, transport and storage for alumina linings brick.

The standards is applied to ceramic industry used alumina linings brick.

2. Quoted Standards

- (a) GB/T 2997 – 82
- (b) GB/T6900.3-1996
- (c) GB/T6900.4-1996
- (d) GB/T8488-87
- (e) GB/T13479-92

3. Alumina linings brick specification and classification

3.1 According to the brick shape:

Rectangle brick, trapezoid brick and custom shaped brick.

3.2 Standard specifications

mm

Brick types	Code	Sizes			
		Length (a)	Width (b1)	Width (b2)	Thickness (S)
Rectangle brick	MC-1	150	50		50
	MC-2	150	50		60
	MC-3	150	50		70
Trapezoid brick	MC-4	150	50	45	50
	MC-5	150	50	44	60
	MC-6	150	50	43	70
	MC-7	150	50	40	50
	MC-8	150	50	38	60

4. Technical Parameters

4.1 Appearance quality

4.1.1 See the table

Item	Quality Index	
	First Class	Qualified
Fleck	Dia. 2-3mm, 2/brick or less	Dia. 2-4mm, 4/brick or less
Broken corner	Depth 4-6mm, 1/brick or less	Depth 4-6mm, 2/brick or less
Waney	Depth 3-4mm, length 8-10mm, 1/brick or less	Depth 4-6mm, length 8-15mm, 2/brick or less
Crack	Front face and side face, not allowed, back face, width0.25mm less, length 5-15mm,	Front face and side face, width0.25mm less, length

	2/brick or less	5-15mm, 2/brick or less, back face, width 0.5mm less, length 5-15mm, 2/brick or less
Warp	Side face ± 1 mm	Side face ± 1.5 mm

4.1.2 Color of the brick: White.

4.2 Size and tolerance

Item		First Class	Qualified
Size tolerance	Size ≥ 150	± 2.0	± 2.5
	$150 > \text{Size} \geq 70$	± 1.5	± 2.0
	$70 > \text{Size} \geq 30$	± 1.0	± 1.5
	Size < 30	± 0.5	± 1.0

4.3 Physical and chemical properties

Item	Index
Fe ₂ O ₃	$\leq 0.5\%$
Al ₂ O ₃	$\geq 80\%$
Water absorption	0.1%
EWT	70 mm ²

5. Test method

6. Inspection

7. Sign, packing and transport

For more details, pls kind visit:

URL : <http://www.alumina-ball.com/>

BLOG : <http://www.alumina-ball.com/blog/>