

# Technical Data Sheet

## YK-26

**YK-26 Insulating Firebrick** is an aluminium silicate type of insulating firebrick in accordance with ASTM

- Characteristic
- • Low iron oxide
  - • Low thermal conductivity
  - • High spalling resistance
- Application
- • Hot face lining
  - • Back up insulation
  - • Reducing atmosphere furnace

Classification temperature 1427° C ( 2600° F )

		<b>ASTM</b>	<b>SPECIFICATION</b>	<b>AVERAGE</b>
Bulk density	g / cm <sup>3</sup>	Group 26	0.86 max	0.8
Thermal conductivity	W / mK (kcal / m h° C)		at 350°C at 400°C at 600°C at 800°C	0.26 (0.22) 0.30 (0.26) 0.34 (0.29) 0.37 (0.32)
Cold crushing strength	MPa kgf / cm <sup>2</sup>	C 93	- -	1.9 19
Modulus of rupture	MPa kgf / cm <sup>2</sup>	C 93	- -	1.2 12
Reheat shrinkage at ° C x 24 hrs (2550°F) at ° C x 8 hrs (2550°F)	%	C 210	2.0 max	0.48 (1400°C) 0.40 (1400°C)
Thermal expansion at 1000° C		JIS R2617	-	0.47
Chemical analysis - JIS R2216	%			

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Al <sub>2</sub> O <sub>3</sub>		-	54
Fe <sub>2</sub> O <sub>3</sub>		-	0.9
Dimensional tolerance - JIS R2150	mm		
length	230	± 3.5	± 1.0
width	114	± 2.0	± 1.0
thickness	65	± 2.0	± 1.0

Recommended Mortar **RM1400**

Standard Packing 10 pcs / pack for standard size

Data are average results of standard tests which are subject to variation and should not be used as specification.