KUAN-HO REFRACTORIES INDUSTRY CORPORATION

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K09AG36

THE QUALITY OF ACID RESISTANT BRICKS & MORTAR

Acid Resistant Bricks are mainly made of high-silica content substance with the lowest apparant porosity for acid resistance. This acid resistant brick is produced by this Company by use of the specially developed high-silica content substance and special binder.

Features:

- Very low apparent porosity. 1.
- Very low water absorption rate. 2.
- 3. High acid resistance.

Typical Properties

| Brand | | ACID RESISTANT BRICKS | |
|---|--------------------------------|-----------------------|------------|
| Properties | | ARB-N1 | ARB-N2 |
| Max. ServiceTemperature(°C) | | 1300 | 1300 |
| Water absorption rate(%) | | \leq 5.0 | \leq 5.0 |
| Bulk Density(g/cm ³) | | 2.10 | 2.20 |
| Cold Crushing Strength (kgf/cm ²) | | 1100 | 1100 |
| Corrosion Resistance (JISR1614-1993) | | ≤ 0.5 | ≤ 0.5 |
| Chemical | SiO ₂ | 70.0 | 70.5 |
| Composition (%) | Al ₂ O ₃ | 23.0 | 24.0 |
| | Fe ₂ O ₃ | 1.0 | 1.0 |

| Brand Properties | | ACID RESISTANT MORTAR ASM-AR1 |
|---|--------------------------------|----------------------------------|
| Refractoriness (SK) | | >10 |
| Grain Size(%) | +0.5mm | <5 |
| | -0.074mm | > 50 |
| Bonding Strength (kgf/cm ²) | 110°C -24hrs | 30 |
| | °C -3hrs | _ |
| Chemical Composition (%) | SiO ₂ | >80 |
| | Al_2O_3 | <10 |
| | Fe ₂ O ₃ | <5 |