

---

**FIRECLAY BRICK : A – 35T**


---

**Alumina content** ( $\text{Al}_2\text{O}_3 + \text{TiO}_2$ ) : 39 - 40,0 %

**Silica content** ( $\text{SiO}_2$ ) : 53 - 56,0 %

**Iron content** ( $\text{Fe}_2\text{O}_3$ ) : < 1,8 %

---

**Bulk density**  $\text{g/cm}^3$  : 2,09 - 2,12

**Total porosity** (Vol.%) : 20 - 22 Vol.%

**Cold crushing strenght** (CCS) : > 25  $\text{N/mm}^2$

**Thermal shock resistance** : > 20

**Permanent linear change up to 1200° C** : 0,6 - 0,65

---

**ASTM grade - SK** : 32/33

**Fire resistance under load-ta** : 1400° C

---

<b>Thermal conductivity</b> $\text{W/m.K}$	400° C	1,20
	800° C	1,25
	1200° C	1,35

---

**Suitable mortar** : C-40

---

**Tolerance** :  $\pm 1 \%$

**For the size < 150 mm** :  $\pm 1,5 \text{ mm}$

---