

FIRECLAY BRICK: **A – 35T**

Alumina content (Al₂O₃+TiO₂) : 39 - 40,0 %

Silica content (SiO₂) : 53 - 56,0 %

Iron content (Fe₂O₃) : < 1,8 %

Bulk density g/cm³ : 2,09 - 2,12

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

Cold crushing strength (CCS) : > 25 N/mm²

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

Thermal conductivity W/m.K 400° C 1,20

800° C 1,25

1200° C 1,35

Suitable mortar : C-40

Tolerance : ± 1 %

For the size < 150 mm : ± 1,5 mm