Date: 98/03/09 Rev.: 00	**Material Specification for EAF Roof**	IRAN ALLOY STEEL CO.

ID code : N-068073.Y **Area :EAF 1&2** **Storage site :**

General properties

nents: Alumina and Refractory cement	**Bonding System:Hydraulic and Ceramic**

Classification: Precast

Chemical composition (wt. %) :

Al2O3 : 82-88
SiO_2 : 10-13
CaO : 0.3-1
Fe_2O_3: 0.5-1.2
TiO_2 : 0.5-0.8

Fig.

Map no.:

Sieve analysis /Dimension:

Physical properties :

Bulk Density	Min	2.8	g/cm^3
Appearance Porosity			%

Mechanical/Thermal properties:

Permanent Linear Change			%
Cold Crushing Strenghtat	110°C	Min 400	kg/cm^2
Refractoriness Under Load			°C
Hot Modulus of Rupture			kg/cm^2
Thermal Conductivity			W/m .° k
Thermal Expansion			**%**
Thermal Shock Resistance			cycle
Max Service Point		1680	° C

Remark:

Packing:

Shelf life: ☑ … Year NA☐

Life time: 12month

Quality Check:

Certificate from supplier and laoratory test

Edited:	**Checked:**	**Approved:**