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| ISULATION PRODUCT | MANTAS FC-1400 |
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| CLASIFICATION S/EN 1094-1 | Flexible insulating refractory blanket. Base fibers silicity-aluminous ceramics without alglomerants. Application by patch or subject with anchorages. Class 1400 |
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|------------------|--|------|--|--------------|---------------|----------|
| REFERENCE | | 0513 | | GROUP | FAMILY | ESTANDAR |
| | | | | FC | 10 | |

CHEMICAL AVARAGE ANALYSIS (Obs "A")

| | | |
|-----------------|------|---|
| AL2O3 | 35,0 | % |
| SiO2 | 50,0 | % |
| Fe2O3 | 0,15 | % |
| CaO+MgO | 0,09 | % |
| Na2O+K2O | 0,1 | % |
| ZrO2 | 15,0 | % |

PHYSICAL PROPERTIES

| | | | | |
|------------------------------------|------|------|----------------------|------|
| Classification Temperature | 1400 | °C | EN 1094-1 | |
| Permanent linear shrinkage | 3,5 | % | EN 1094-6 AT 1400 °C | |
| Aparent density (kg/m3) | 64 | 96 | 128 | 160 |
| Thermal conductivity (w/mk) | | | | |
| 200°C | 0,07 | 0,06 | 0,06 | |
| 400°C | 0,12 | 0,11 | 0,1 | 0,09 |
| 600°C | 0,2 | 0,16 | 0,15 | 0,13 |
| 800°C | 0,3 | 0,23 | 0,2 | 0,18 |
| 1000°C | 0,43 | 0,32 | 0,28 | 0,25 |
| Tensile strength (MPa) | 30 | 70 | 90 | 110 |

FORMATS AND PACKAGING Dimensions according thicknesses.
thicknesses available in 6, 10, 15, 20, 25, 40, 50 mm.
Other dimensions to consult our technical department.

"A" Alternative Method = Spectrometry by FRX

Indicated norms applicable. Other norms according to previous agreement.
The technical characteristics represent the medium values from reconized essay methods of standard materials; they under the normal of ofmanufacturins and should not be considered like specifications.

EQUIVALENCES

1N/mm2 = 1MPa = 10,2 kg/cm2
1kg/cm2 = 0,098 Mpa = 0,098 N/mm2
1W/m.K = 0,86 kcal/m h.K
1Kcal/m.K = 1,16 W/m.K