

## THERMO-ACOUSTIC BLANKET ACC-MTA



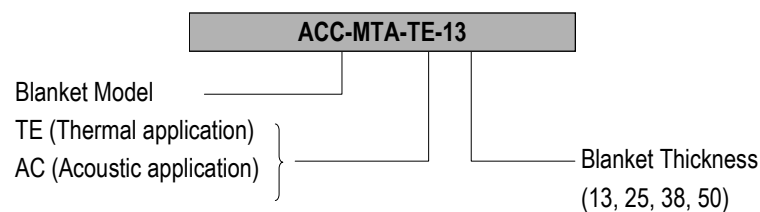
### APPLICATIONS

Thermo-acoustic blankets are manufactured either to industrial applications (boiler isolations, high temperature joints, oven seals, workers protection, etc.) as well as fire protection (boats internal lining, engine rooms, pipes, inside fire doors, etc)

### DESCRIPTION

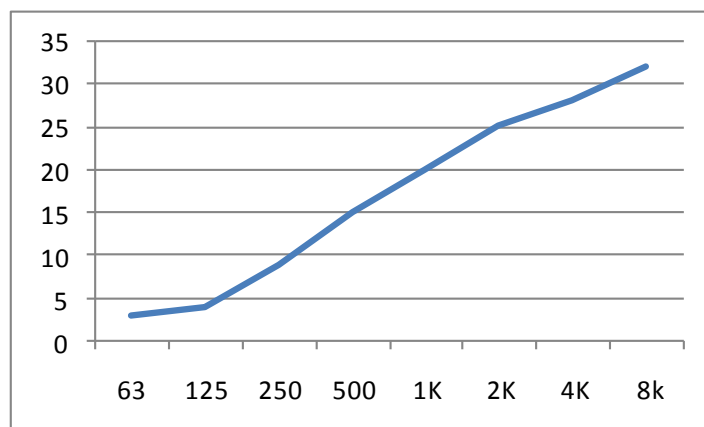
- Blankets manufactured by a special glass wool fabric type MK and an inner filling depending on the application.
- For thermal uses, the inner material consist in different non -fire biologic ceramic layers, depending no the technical requirements. Based on the calcium, magnesium and silica chemistry, these blankets can be withstand a temperature up to 1100 °C.
- For acoustic applications, the inner material consist in different fibers of different densities based on the reduction to reach.
- Blankets are sewn with type E lubricated glass filament, and bonded together with 50mm of high temperature resistant material.
- When using blankets for acoustic applications, the system can be supplied with a standard galvanized profile frame with an anchoring system calculated on the base to the loads to support as well as wheels for displacement

### SPECIFICATION



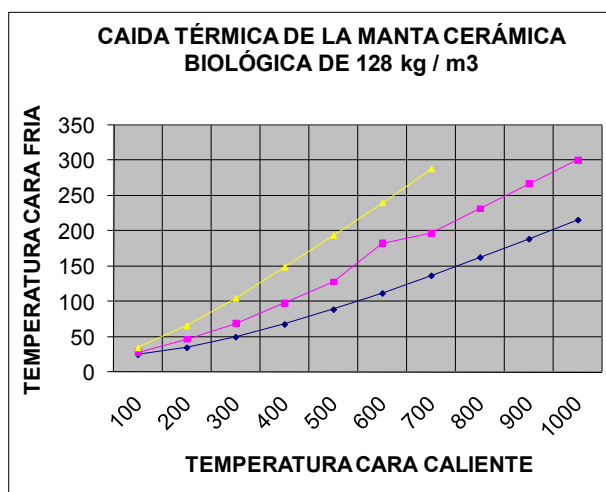
## ACOUSTIC CURVE

FREQUENCIES	63	125	250	500	1K	2K	4K	8k	GLOBAL
TL (Db)	3,0	4,0	9,0	15,0	20,0	25,0	28,0	32,0	14,00



## THERMAL CURVES

Thermal behaviour at ambient temperature 20°C and wind speed 0 m/s.



CHEMICAL ANALYSIS (average) (% by weight)	
Si O <sub>2</sub>	61.0 – 67.0
Ca O	27.0 – 33.0
Mg O	2.5 – 6.5
Al <sub>2</sub> O <sub>3</sub>	< 1.0
Fe <sub>2</sub> O <sub>3</sub>	< 0.6

PHYSICAL FEATURES	
Colour	White blue
Thermal classification	1100 °C
Melting Point	> 1300 °C
Fiber diameter	3.2 microns (average)
Specific Heat at 1100 °C	1074 J / kg K
Tensile strength	> 35 kPa ( 128 kg / m <sup>3</sup> )

THERMAL CONDUCTIVITY			
W / mK	64 kg / m <sup>3</sup>	96 kg / m <sup>3</sup>	128 kg / m <sup>3</sup>
200 °C average T.	0.07	0.06	0.05
400 °C average T.	0.10	0.09	0.08
600 °C average T.	0.18	0.14	0.12
800 °C average T.	0.27	0.22	0.18

PERMANENT THICKNESS LOSS (24 hours humidity)	
1100 ° C	< 4.0 %

NOTE:

Physical features and thermal conductivity are in compliance with ENV 1094-7:1994 standard