

AIS-TEXSA®

WHAT IT IS

AIS-TEXSA

The degree of air entrainment is very high due to the novel application method using specially designed and engineered equipment.

The high degree of entrainment is maintained by using AISTEXSA FOAMER, a specially prepared foaming agent produced by Texsa.

AIS-TEXSA is used as insulation and also to establish a slope to drains, so structural sloping of the roof beams is not necessary.



USES:

Thermal insulation.
Forming of flat roof slopes to drains (no need to increase the steel structural support system, as is usually the case when using concrete).

AIS-TEXSA is an outstanding product among many available on the market today. The compactness of the equipment, ease of set-up, and the ability to place the hoses quickly are only a few of the benefits.

PROPERTIES:

- Excellent insulation
- Lightweight
- Chemically inert
- Good acoustic ability
- Fire resistant
- Rot and insect proof
- Excellent compressive strength

EASE OF PREPARATION

AIS-TEXSA is obtained by thoroughly mixing AISTEXSA FOAMER with a mixture of cement and water. It is prepared at the job site eliminating the need of transit mixers and other bulky equipment.

INSULATION

AIS-TEXSA contains a large number of air cells which give it the high insulation and soundproofing properties of a top quality lightweight concrete.

STRENGTH

AIS-TEXSA maintains a high compressive strength upon curing.

WATERPROOFING SUPPORT

A complete, secure, totally waterproof roofing system is obtained when **AIS-TEXSA** is used as the support in conjunction with TEXSA'S MORTER-PLAS® roofing and waterproofing membrane.

SLOPE TO DRAIN

AIS-TEXSA gives the ability of establishing slopes to drain without increased structural support.

ADVANTAGES:

- Ease and speed of application
- Minimum manpower requirements

CEMENT TYPE:

All homologated cements.

EQUIPMENT:

Mixing tank
Pump
Compressor
Hoses with respective connections
Control board



Voltage: 220-380 V or as per request.
Compressor: 5.5 HP
Pump: 5.5 HP
Mixer: 1.5 HP
Water pump: 1 HP

} 13.5 HP × 0.746 = 10.07 Kw

APPLICATION RATE:

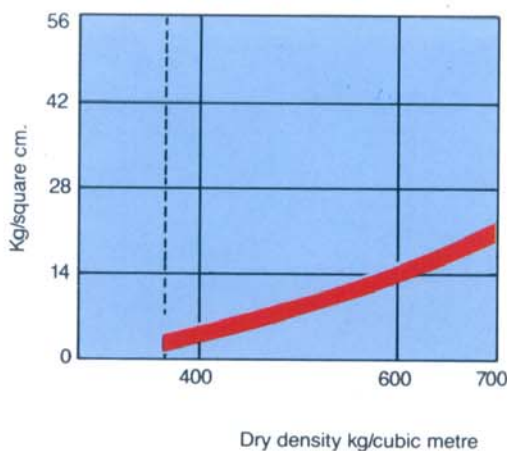
Compared with the high cost of the synthetic insulations, AISTEXSA gives the same comfort at a much lower cost.

1 Aistexsa Machine
AISTEXSA FOAMER BK
Cement
Water
2 men

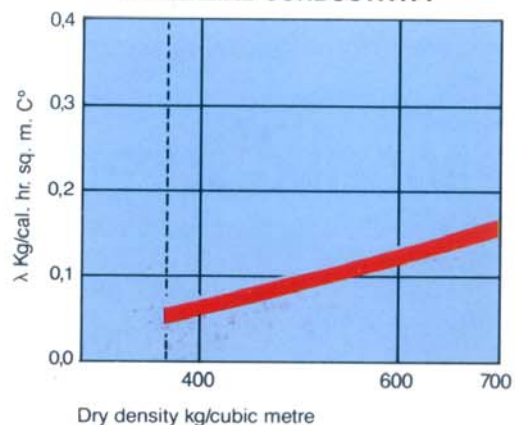
} = more than 60 cubic metres per 8-hour working day

PHYSICAL PROPERTIES STANDARD TYPE

COMPRESSIVE STRENGTH



λ THERMAL CONDUCTIVITY



FIRE RESISTANCE: MATERIAL A 1 ACCORDING TO DIN 4102 STANDARD QUALITY MARKED

Edo. Torroja Institute, Certificate N° 2102
Specimens of 10 x 10 x 10 cm. dried with air circulation at 20°C + 2°C during 7 days.

Edo. Torroja Institute, Certificate N° 8102
Test with -AMSLER- Press with 4 Mp scale.

Edo. Torroja Institute, Certificate N° 7153-I.
As per ASTM C-177/45.

MATERIAL YIELD STANDARD MIX:

300 kg cement
Approx. 4 litres AISTEXSA FOAMER } = 1 m³ of
Approx. 240 litres clean water } **AIS-TEXSA**

APPLICATION:

Clean water is added to the mixer while stirring is in progress. Cement is added, then AISTEXSA FOAMER. The **AIS-TEXSA** is then easily pumped onto the roof deck and extended.



48 hours should elapse before roofing materials are applied. In the case of rain, allow an additional 24-hour period.

The setting time depends on temperature, but usually **AIS-TEXSA** can accept foot traffic after 24 hours.

In areas of high heat a concrete curing compound may be applied to retard the hydration rate: Tex - Cure - DR.

Wet density: 500-550 Kg/m³
Dry density: 350-400 Kg/m³
Compressive strength: 4 to 6 Kg/cm², for above density otherwise variable according to density

Chemical resistance: Excellent
Fire Rating: Non combustible
Thermal conductivity: 0.079 Kcal / h.m. °C at 33.9°C, for above density



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