QUICSEAL 704

Extruded Polystyrene Foam "HD"

Description

QUICSEAL 704 is a closed-cell extruded polystyrene heat insulation foam produced by a continuous, fully automated extrusion process in accordance with international specifications and standards. It does not use CFC (which is known to be damaging to the ozone layer) in its production.

Advantages

- Homogenous structure and uniform density distribution.
- Excellent compressive strength
- Long term insulation efficiency and effectiveness
- Low moisture absorption
- Aging resistance, rot resistance
- Does not support the growth of micro-organisms
- Fire Retardant, non hazardours

Uses

Roof

QUICSEAL 704 insulates both the waterproofing membrane and the R.C. slab from extreme thermal stress. QUICSEAL 704 also delays aging effect on waterproofing membrane.

Wall

QUICSEAL 704 offers excellent energy savings in cavity wall insulation for air-conditioned buildings and cold-rooms or cold storage areas. QUICSEAL 704 also serves as a barrier to ingress of rainwater or vapour transmission. However, vapour barrier is recommended where there is extreme differential temperature between the interior and exterior of wall.

Protection Board (Basement)

QUICSEAL 704 provides excellent thermal and mechanical properties when used in below grade application. QUICSEAL 704's and high compressive strength enable it to withstand the pressures of backfill thus protecting the waterproofing membrane from damage. Furthermore, QUICSEAL 704 is resistant to rot and moisture and thus delaying the aging effect on waterproofing membrane.

Technical Data

Maximum Operating Temperature (Onset)	86°C
Coefficient of Thermal Expansion $\alpha 1$ (25°C to 60°C) $\alpha 2$ (95°C to 99.6°C)	 145 μm/m°C 25300 μm/m°C
Water Absorption, average (ASTM C 272 : 1996)	0.15%
Compressive Strength, average (ASTM D 1621: 1994)	>0.40 N/mm^2
Thermal Conductivity (ASTM C 518 : 1998) a) Density b) Temperature of Hot Face c) Temperature of Cold Face d) Mean Temperature e) Thermal Conductivity	 42.37 Kg/m^3 42.01°C 19.93°C 30.97°C 0.0371 W/m°K, 0.0319 Kcal/mh°K

Packaging

QUICSEAL 704 is available in two sizes 25 mm thick x 600 mm x 1200 mm
50 mm thick x 600 mm x 1200 mm

Storage

Materials should be protected from direct sunlight and ultra-violet rays. It may be protected using a light-coloured opaque sheet and ventilated to prevent excessive temperature buildup. Do not cover with dark coloured plastic sheet.

Important Notes

The information set forth herein is furnished free of charge in good faith and is based on technical data that QUICSEAL considers to be reliable. This information is intended for used by persons having technical skill and at their own discretion and risk. Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of QUICSEAL products as of the date of publication of this document. QUICSEAL makes no other warranties and assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, please contact QUICSEAL.

Reference No. 704/210520

ARDEX-QUICSEAL SINGAPORE PTE. LTD.
www.ardex-quicseal.com