



شهادة تسجيل منتج عزل حراري

Registration Certificate of Thermal Insulation Product

(Ministerial Order No. 149/2018)

Certificate No: TIP22057 **رقم الشهادة:**
Registration Date: 22/11/2022 **تاريخ الإصدار:**
Issued to: Al Manartain Company and Ali Alsheab Grp **أصدرت إلى:**
Kingdom of Bahrain
Product Name: 12" Sandwich Block **اسم المنتج:**
Application For: Wall **الاستخدام في:**
Manufacturer Name: Al Manartain Company and Ali Alsheab Grp **اسم المصنع:**
Kingdom of Bahrain
Valid Until: 30/11/2024 **تاريخ الصلاحية:**

Product Details / تفاصيل المنتج	
Description	400x300x200mm - Concrete Masonry Insulation Block with two cavities & 75mm thick of Expanded Polystyrene sheet between the two layers of concrete.
Density (kg/m ³)	Concrete: 2290 Bahrain Expanded polystyrene: 33.33
Min. Thickness (mm)	Sandwich Block: 300
Thermal Conductivity k (W/m °C)	0.1583
Thermal Transmittance / Conductance C (W/m ² °C)	0.528

Conditions:

- The above thermal insulation product is to be used as described above, provided the overall U-value for the wall does not exceed 0.57 W/m² °C.
- The owner should take the necessary precautions to ensure proper storage and installation of the product to protect it from moisture and direct sunlight.
- The owner of this product is responsible of ensuring that the product is carried out by him or an approved applicator, for supplying all the accessories associated with it, and for any consequences that may result from the use of this product.
- The owner of this product is responsible of ensuring that the expanded polystyrene sheets are properly fit and tightly installed between the layers of concrete during manufacturing phase and subsequent transportation, storage and installation of the product.
- All documents published by the owner for the above product should not contradict with the thermal conductivity value stated in this certificate.
- This approval is granted for thermal insulation only. Any additional approvals / permissions required should be sought from the concerned authorities.
- The TIU should not be held responsible for any consequences that may result from the use of this product.
- The TIU reserves the right in future to request additional documents and to withdraw its approval of the above if any variations are noticed.



Electricity Conservation Section