



شهادة تسجيل منتج عزل حراري

**Registration Certificate of Thermal Insulation Product**

(Ministerial Order No. 149/2018)

**Certificate No:**

TIP22055

رقم الشهادة:

**Registration Date:**

17/11/2022

تاريخ الإصدار:

**Issued to:**

Al Manartain Company and Ali Alsheab Grp  
Kingdom of Bahrain

أصدرت إلى:

**Product Name:**

8" Sandwich Block

اسم المنتج:

**Application For:**

Wall

الاستخدام في:

**Manufacturer Name:**

Al Manartain Company and Ali Alsheab Grp  
Kingdom of Bahrain

اسم المصنع:

**Valid Until:**

30/11/2024

تاريخ الصلاحية:

تفاصيل المنتج / Product Details	
Description	Sandwich Block (400X200X200mm) concrete masonry insulation block with two cavities and 75mm thick expanded polystyrene sheet between the two layers of concrete.
Density (kg/m <sup>3</sup> )	Concrete: 2290 Bahrain Expanded polystyrene: 30.69
Min. Thickness (mm)	Sandwich Block: 200
Thermal Conductivity k (W/m °C)	0.1251
Thermal Transmittance / Conductance C (W/m <sup>2</sup> °C)	0.6255

**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/m<sup>2</sup> °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**