



## **Expanded Polystyrene Manufacturers**

ISOPOL LTD, P.O.BOX 54115, 3721 Limassol – Cyprus

Tel.: +357-25-724944, Fax: +357-25-729629, E-mail: isopol@cytanet.com.cy, VAT: CY-10008489 A, A.Φ.T.: 12008489C

### **DECLARATION OF PERFORMANCE**

No. EPS 50-CPR-16/01/2014

1. Unique identification code of the product-type:

**ISOPOL EPS 50**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

**EPS EN 13163-T1-L1-W1-S1-P2-BS100-CS(10)50-WL(T)2-WD(V)3**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

**Expanded polystyrene, intended to be used as thermal insulation in buildings.**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**ISOPOL LTD  
Ayios Athanasios Industrial Area,  
P.O.BOX 54115,  
3721 LIMASSOL-Cyprus**

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**System 3**

6. In case of the declaration of performance concerning a construction product covered by a harmonised standard: **EN 13163:2012**

**Technical and Test Institute for Constuctions Prague  
Branch 0700-Ostrava U Studia 14, 700 30 Ostrava Czech Republic  
Tel.: +420 595 707 200 Fax: +420 595 783 065**

performed the initial testing of the product according to system 3 and issued test report:

No. 070-044202



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### 7. Declared performance

Essential characteristics	Performance	Harmonized technical specification
<b>Reaction to fire</b>	Euroclass E	EN 13163:2012
<b>Release of dangerous substances</b>	-	
<b>Thermal resistance</b> -Thermal conductivity, $\lambda_D$  -Thickness  -Thermal resistance, R ( $m^2 K/W$ )	$\lambda$ DECLARED = 0,039 W/mK  T1  <b>Plate thickness / Thermal resistance</b> 50 mm / 1,29 60 mm / 1,53 70 mm / 1.79 100 mm / 2,56 150 mm / 3.85 200 mm / 5.13 250mm / 6.41	
<b>Compressive strength</b> -Compressive stress at 10 % deformation	CS(10)50	
<b>Tensile/Flexural strength</b> -Bending Strength	BS 100	
<b>Long term water absorption by immersion</b>	2,0 vol. %	
<b>Long term water absorption by diffusion</b>	2,5 vol. %	

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Limassol 25/08/2013

Loizou Demetris, director