



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. 04 – 305/11/EE – October/2018

1. Unique identification code of the product-type:

ISOPOL EPS 90 GRAPHITE

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

EPS-EN13163-CS(10)90-BS135-L2-W1-T1-S1-P3-WL(P)2,0-WL(V)2,5-DS(70,90)1-DS(N)2-MU30-TR200-SS101-GM1525

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**

Web site: <http://www.isopol.com.cy> – Email: isopol@cytanet.com.cy

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 harmonized standard: **EN 13163:2012+A1:2015**

**IMBiGS N.B 1454
FIW MUENCHEN N.B 0751
TZUS N.B. 1020**

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

L1-07-080, H.E-61e, 62e/07, H.K-23e/07, No. 155/15/362/OWU/M-3



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

7. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	Euroclass E	EN 13163:2012 +A1:2015
Release of dangerous substances	-	
Thermal resistance -Thermal conductivity, λ_D	λ DECLARED = 0,031 W/mK	
-Thickness	T1	
-Thermal resistance, R (m^2 K/W)	Plate thickness / Thermal resistance 50 mm / 1.61 - 60 mm / 1.935 80 mm / 2.581 - 100 mm / 3.226 120 mm / 3.871 - 150 mm / 4.84	
Compressive strength -Compressive stress at 10% deformation kpa	CS(10)90	
-Bending Strength kpa	≥BS 190	
Tensile Strength kpa	≥200	
Shear behaviour, τ , kpa	101	
Shear Modulus, G, kPa	1525	
Water vapour diffusion resistance Factor μ	30-70	
Water vapour permeability δ mg/(Pa.h.m)	0,009 to 0.020	
Dimensional stability 23°C / 50% relative humidity	-0,2 %	
Dimensional stability under specified temperature and humidity conditions 70°C / 90% relative humidity	-0,1%	

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 30/04/2020

Loizou Demetris, director