

1. Identification code: RUUKIN EPS 120 ROUTA
2. Intended use: Expanded polystyrene, to be used as thermal insulation in buildings.
3. Manufacturer: Ruukin EPS Oy, Ahlströmintie 1 L 92400 Ruukki Finland, www.ruukineps.fi
5. AVCP-system: AVCP 3
- 6a. Harmonized standard: EN 13163:2012  
 Notified test laboratories: VTT Expert Service Oy (NB 0809) and Vilnius Gediminas Technical University Scientific Institute of Thermal Insulation (NB 1688)  
 Notified test laboratory reports: VTT-S-08305-11, VTT-S-00605-12 and 1688-CPR-1420

7. Declared performance:

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire Continuous glowing combustion* -Reaction to fire	Euroclass F	EN 13163:2012
Water permeability -Water absorption	WL(T)2,5	
Release of dangerous substances to the indoor environment*	-	
Thermal resistance -Thermal conductivity, $\lambda_D$ -Thickness -Thermal resistance, R ( $m^2K/W$ )	$\lambda$ DECLARED = 0,035 W/mK T2 Plate thickness/Thermal resistance 25 mm / 0,70 50 mm / 1,40 70 mm / 2,00 75 mm / 2,10 100 mm / 2,85 120 mm / 3,40 125 mm / 3,55 150 mm / 4,25 200 mm / 5,70 250 mm / 7,10	
Water vapour permeability -Water vapour transmission	NPD	
Compressive strength -Compressive strength at 10 % deformation	CS(10)120	
Tensile/Flexural strength -Bending strength	BS(170)	
Durability of reaction to fire against heat, weathering, ageing/degradation	accepted	

Durability of thermal resistance against heat, weathering, ageing/degration	accepted	
Durability of compressive strength against ageing and degration		
-Compressive creep	CC(2/1/10)35	
-Freeze-thaw resistance	FCTI4	

NPD = No performance determined      \* = so far there is no test method in product standard  
The performance of the product identified in point 1 is in conformity with the declared performance in point 7. This declaration of performance is issued according to regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer.

Signed for and behalf of the manufacturer by:

**Siikajoki 02.01.2015**

**Heikki Aurio, managing director**