



**DECLARATION OF PERFORMANCE
No. 100-CPR-2013-07-01**

1. Unique identification code of the product-type:

RUUKIN EPS 100 LATTIA

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

RUUKIN EPS 100 LATTIA

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):

**Ruukin EPS Oy Ahlströmintie 1 L 92400 Ruukki Finland
Tel: +358-(0)8-2708500 e-mail:info@ruukineps.fi**

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:

**VTT Expert Service Oy (NB.0809)
Kemistintie 3, Espoo
PL 1001, 02044 VTT
Finland**

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

**Initial type test No VTT-S-08305-11
Initial type test No VTT-S-00605-12**

7. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire Continuous glowing combustion* -Reaction to fire	Euroclass F	EN 13163 : 2102
Water Permeability -Water absorption	WL(T)5	
Release of dangerous substances to the indoor environment*	-	
Thermal resistance -Thermal conductivity, λ_D -Thickness -Thermal resistance, R (m^2K/W)	λ DECLARED = 0,036 W/mK T2 Plate thickness/Thermal resistance 25 mm / 0,65 50 mm / 1,35 70 mm / 1,90 75 mm / 2,05 100 mm / 2,75 120 mm / 3,30 125 mm / 3,45 150 mm / 4,15 200 mm / 5,55 250 mm / 6,90	
Water vapour permeability -Water vapour transmission	NPD	
Compressive strength -Compressive stress at 10 % deformation	CS(10)100	
Tensile/Flexural strength -Bending Strength	BS150	
Durability of reaction to fire against heat, weathering, ageing/degration	accepted	
Durability of thermal resistance against heat, weathering, ageing/degration	accepted	
Durability of compressive strength against ageing and degration -Compressive creep	CC(3/1,5/10)35	

NPD = No performance determined

* so far there is no test method in product standard

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:

Heikki Aurio, managing director

Siikajoki 01.07.2013