



AMBI-SEAL 5.0 European Declaration of Performance  
Issued Sept 24, 2021



**DECLARATION OF PERFORMANCE**



OPEN CELL POLYURETHANE FOAM INSULATION  
- THERMAL AND ACOUSTICAL VAPOR PERMEABLE INSULATION

The improved heat stability of the resin allows for easy control and application robustness over a wide temperature range. AMBI-SEAL 5.0 shows excellent adhesion to a wide range of substrates typically found in building construction, as well as air seals and insulates in one step.

- 1. Trade name **AMBI-SEAL 5.0**
- 2. Intended use/es  
Seamless thermal and acoustical interior insulation of building assemblies i.e. attics, roofs, ceilings, decks, interior joists, walls, partitions and floors above grade.
- 3. Manufacturer  
AMBIT POLYURETHANE LLC  
2925 Galleria Drive, Arlington, TX 76011
- 4. Harmonized norm  
Notified body  
PN-EN 14315-1:2013  
No. 1488  
Instytut Techniki Budowlanej 
- 5. Declared performance

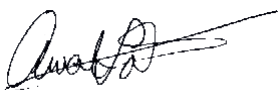
Main characteristics	Performance values	Testing methods
Reaction to fire (insulation)	Class E	PN-EN 13501-1+A1:2010 PN-EN ISO 11925-2:2010
Reaction to fire (typical wood frame gypsum board assembly)	Class B-s1,d0 DOES NOT lead to (fire) flashover, no smoke, no dripping / dropping while burning.	PN-EN 13501-1+A1:2010 PN-EN 13823+A1:2014 PN-EN ISO 11925-2:2010

Main characteristics	Performance values	Testing methods
Thermal conductivity	$\lambda_m = (0,0353 - 0,0367) \text{ W / (m}\cdot\text{K)}$ $\lambda_{90/90} = 0,037 \text{ W / (m}\cdot\text{K)}$	EN 14315-1:2013
Water absorption	$W_p \leq 7,9 \text{ [kg / m}^2\text{]}$	EN 14315-1:2013 PN-EN 1609:2013-07
Water vapor transmission	$\mu = 7,67$	EN 14315-1:2013 PN-EN 12086:2013-07
Compressive strength at 10% deformation	$\leq 10 \text{ kPa}$	EN 14315-1:2013 PN-EN 826:2013-07
Delamination strength	$[\text{kPa}] = 21,6$	EN 14315-1:2013 PN-EN 1607:2013-07
Volume percentage of closed cells	$2,5 \text{ \% (v/v)}$	EN 14315-1:2013 PN-EN ISO 4590:2016-11
Durability of reaction to fire	Does not degrade over time	
Durability of thermal conductivity	Does not degrade over time	
Durability of compressive strength	Does not degrade over time	
Durability of delamination strength	Does not degrade over time	

THE PERFORMANCE OF THE PRODUCT IDENTIFIED ABOVE IS IN CONFORMITY WITH THE SET OF DECLARED PERFORMANCES. THIS DECLARATION IS ISSUED IN ACCORDANCE WITH REGULATION (EU) NO. 305/2011, UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER IDENTIFIED ABOVE.

Dave Lall  
 AMBIT POLYURETHANE LLC

Date: Sept 24, 2021




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