

# DECLARATION OF PERFORMANCE

NO. 01-US/S-500/2017



SEMI-RIGID AND VAPOR PERMEABLE POLYURETHANE FOAM INSULATION  
- THERMAL AND ACOUSTICAL SPRAY OR POUR IN PLACE POLYURETHANE FOAM INSULATION

1. Unique id code of the product type **SEALGUARD 500 01-FS50-OT-DR**
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 for metal and wood frame construction
3. Manufacturer  
LALLAFOM USA, Inc.,  
34 East 39th St Suite 1B,  
New York, NY 10016
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 % (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.

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