tecnofoam G-2008

POLYURETHANE FOAM DENSITY 8 KG/^{3}

The thermal insulation system **G-2008** is spray able polyurethane foam system, it has very low density distinguished by an open cell rigid polyurethane. It has been developed for the weatherization and air tightening of residential buildings using conventional spray machinery. It has CE marking on the basis of " declaration of performance" DoP conforms to regulations made UE305 / 2011. The system TECNOFOAM G-2008 has a certificate of VOC emissions regulations. And ATEX certification nº 2038.

USES

- It's specifically designed for thermal insulation in residential buildings.
- In applications in interior roofs (within the wooden beams) and walls, buildings facades, non workable roofs.

Applied density	± 8 kg /m^3
SBI (test performed on gypsum)	-40db for 195mm
Thermal conductivity	0,038 W/m·K
Open cells content	> 95%

APPLICATION

The substrate must be dry for well application, **TECNOFOAM G-2008** foam adheres firmly on most common materials such as wood, drywall, steel, OSB, plywood, interior masonry, drywall construction exterior, and herself. No retracts after completing the expansion.

YIELD

The performance is 1kg/m^2, thikness of 10 cms.

FORMATS

Metal drums of 220 kg for the polyol, and 250 kg for the isocyanate.

PROCESSING RECOMMENDATIONS

The chemicals products must be adjusted to the correct temperature before to use, to ensure the reactivity and viscosity are suitable for processing.
Machine processing temperature: 45 ~ 45 ° C
It's recommended to beat the polyol component before the use.
Projection Equipment:

- mix Ratio: 1:1 by volume
- processing temperature: 45 ~ 55 ºC (at 23 ºC environement temperature)

• type: TECNOFOAM G-2008 could be applied with standard projection equipment polyurethane foam

EXPIRY

6 months for polyol and 12 months for the isocyanate, temperature within 5 ºC ~ 35 ºC, provided it is stored in a dry place, non direct contact with sun.

STORAGE REQUIREMENT

- Storage temperature should be between 10 and 25 ° C. Containers (full or empty) should not be exposed to direct sunlight or heat sources such as stoves, radiators, etc. ..,because they can generate pressure inside ,and will be dangerous its handling or manipulation.
- The components are moisture sensitive, must always be kept in airtight containers and be protected against the ingress of moisture at all times to avoid disruptions in the final product or rendered useless for treatment.

HANDLING AND TRANSPORT:

These safety recommendations for handling, are necessary for the implementation process as well as in the pre-and post, on exposure to the loading machinery.

- Respiratory Protection: When handling or spraying use an air-purifying respirator.
- Skin protection: Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking or smoking.
- Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in air.
- Waste: Waste generation should be avoided or minimized.
- Incinerate under controlled conditions in accordance with local laws and national regulations.

Anyway, consult the safety data sheet of the product, are publicly available.

PROPIERTIES OF APPLIED FOAM

(ACCORDING DECLARATION OF PERFORMANCES)

Declared performance/s:		
Essential characteristics	**Performance**	**Harmonized technical specification**
Fire reaction	Euroclass F[1]	EN 13501-1:2007
Water absorption (short term by partial immersion)	Wp ? 13,8 kg/m²	
Thermal resistance (conductivity ?90/90)	0,038 W/(m.K)	EN 12667:2002
Water vapor permeability	Water vapor resistance factor: μ=4,6	EN 12086
Compressive strength	No performance declared (NPD)	EN 826
Durability of reaction to fire against ageing/degradation	Values after aging	EN 14315·1:2013
Verification of the composite emissions' absence CMR 1 o 2	Satisfaction a § 4.3.7 of the norm > YES	NF EN ISO 16000-3/-6/-9/-11
Regulatory labeling	Emission class: A	NF EN ISO 16000-3/-6/-9/-11
[1] B-s1,d0, with plasterboard		

To obtain more information, consult the full document Declaration of Performances of particular system (consult our technical department).

COV EXPOSITIONS TABLE:

Component	N° CAS	Cexp at 28 days	Classe
formaldehyde	50-00-0	8	A+
acetaldehyde	75-07-0	5	A+
toluene	108-88-3	1	A+
tetrachloroethylene	127-18-4		A+
xylene	108-38-3	<1	A+
1,2,4-trimethylbenzene	95-63-6	0	A+
1,4-dichlorobenzene	106-46-7		A+
ethylbenzene	100-41-4		A+
2-butoxyethanol	111-76-2		A+
Styreno	100-42-5	1	A+
TCOV	---	1011	A
Resulting emission class			**A**

CE

Tecnopol®
Finlàndia, 33 · 08520 Les Franqueses del Vallès · Barcelona (Spain)
(+34) 93 568 21 11 · info@tecnopol.es · www.tecnopol.es