

PUREX NG 0407NF B2

A two-component open-cell spray foam system developed for single- and multi-family residential construction. The product is designed to insulate attics and lofts, walls, ceilings, and floors.

PUREX NG ELITE

insulating foam



base containing
raw materials
of plant origin



exceptionally lightweight
– does not weigh down
the structure



low emissions
of volatile organic
compounds



free
of ozone-depleting
substances



low absorption,
resistant to incidental
contact with water

According to the assessment of the emission of volatile organic compounds from the foam into the indoor air, prepared by the Instytut Techniki Budowlanej – Polish Construction Research Institute, the system meets the requirements of the Ordinance of the Minister of Health and Welfare on the permissible concentrations and intensities of factors harmful to health emitted by building materials, equipment and elements of equipment in rooms intended for human residence. These requirements are met for premises of all categories.

SYSTEM CHARACTERISTICS

Yield per 470 kg kit [m ³]	40 - 43
Average initial thermal conductivity coefficient [W/m*K]	0,037
Declared thermal conductivity coefficient [W/m*K]	0,038*
Density in the final product [kg/m ³]	7 - 7,5
Reaction to fire classification according to PN-EN 13501-1	class E
Short-term water absorption when partially submerged [kg/m ²]	<0,3
Resistance to mildew according to CUAP/ETA No. 12.01/21:2007, annex B (in variants both without and after spraying with mould spores according to EN ISO 846)	0 (no visible mycelial growth)
Description of soundproofing properties according to VDI 3755/2000	sound-absorbing material
Sound absorption classification according to EN ISO 11654	D

*The thermal conductivity coefficient takes into account the effect of ageing over 25 years.



ELITE
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Low absorption foam, resistant to incidental contact with water

Due to its highly hydrophobic nature, it is much less moistened by water and does not exhibit the effect of capillary rise. In case of moisture in the building structure or local leakage, the foam will not lose its insulating properties.



Foam containing raw materials of plant origin

It contains plant-based raw materials, which contribute to environmental protection by reducing the energy intensity of the entire building. It also contributes to a reduction in the need for oil-derived fossil raw materials.



Foam with low emissions of volatile organic compounds

Reducing VOCs emitted by everyday products has a direct impact on improving indoor air quality in homes. PUREX NG ELITE foam is a test-proven guarantee of safe use in terms of VOC emissions.



Foam free of ozone depleting substances

Its production and use do not adversely affect the ozone layer and do not contribute to global climate warming. Like all other open-cell polyurethane foams in the PUREX NG family, it does not have any physical foaming agents in its composition.



Extremely lightweight foam that does not weigh down the structure

Its inherent lightness and extremely low density allow a building to be designed with a lighter and therefore cheaper structure. Thus, the result is the practical absence of strain on the surface by the finished insulation in both new and old construction.

RESEARCH AND REPORTS



Reaction to fire classification according to EN 13501-1:2018

POLISH CENTRE FOR TESTING AND CERTIFICATION



Test for volatile organic compound (VOC) and volatile aldehyde emissions

INSTYTUT TECHNIKI BUDOWLANEJ



Water absorption after partial immersion not greater than 0.26

POLISH CENTRE FOR TESTING AND CERTIFICATION



National Institute of Hygiene Attestation

NATIONAL INSTITUTE OF PUBLIC HEALTH

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