EKOPRODUR 2032B3/G

CHEMICAL NAME

Polyurethane system

TECHNICAL REQUIREMENTS

Weight ratio of components POLY : ISO: ……. 100 : 130
Optimal components temperature: ..……...……. 20-22ºC
Optimal ambient temperature: ……..……..…….. 18-25ºC
Optimal temperature of coverings/moulds: ……..……..…… 30-40ºC

With aluminium or stainless steel lining, it may be necessary to prepare the substrate mechanically or chemically to increase adhesion.
Full mechanical properties polyurethane foam obtains after 24-hour seasoning.
During processing the system please keep in mind all tips and information included in the MSDS sheets for both components.

GENERAL DATA

Foam was received by using high-pressure machinery.

Apparent core density: ..…….. ≥ 37 kg/m^3.. PN-EN 1602:2013-07
Fire classification: …….. F .. PN-EN 13501-1+A1:2010
Short-term water absorption by partial immersion: ……..……. WP ≤ 1,4 kg/m^2
PN-EN 1609:2013

Thermal conductivity: …….. $\lambda_{mean,\,i}$ 0,024 W/(m·K)
PN-EN 12667:2002

Compressive stress at 10% relative deformation ……..……. σ_{10} ≥ 180 kPa
PN-EN 826:2013-07

Dimensional stability:
80°C, after 24h ……..……. d ≤ 4 %
sz ≤ 4 %
g ≤ 1 %
-30°C, after 48h ……..…….. d ≤ 2 %
sz ≤ 2 %
g ≤ 0,5 %
PN-EN 1604:2013-07

Adhesion of the foam perpendicularly to the surface: ……. ≥ 200 kPa
PN-EN 1607:2013-07

Closed-cell content ……. ≥ 90%
PN-EN ISO 4590:2005

APPLICATION

EKOPRODUR 2032B3/G is designed to be used in production of insulating materials like boards and panles in moulds and pipe-shells.

Pipe-shells with density min 45kg/m^3 are stable in long term usage in max temp 120°C.

This system can be processed with the help of both: low- and high-pressure foaming machine.

Polish Hygienic Certificate PZH: HK/B/0511/01/2014.

Information presented herein has been given in good faith and to the best of our current knowledge and experience. The compliance of the specific properties of the supplied product with the data given herein and its fitness for the intended purpose should be checked before the product is used. The producer reserved the right to modify the information presented herein as a result of technological development and improvement of the product by producer.

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