



Technical data:

Fire resistance class	Up to EI 60
Hygienic certificate	BK/B/0178/01/2019
Colour	Dark-graphite or on request
Density	1,41 +/- 10%
Storage temperature range	from +5°C to + 35°C
Maximum temperature of use	Seal with glue - 160°C Seal without glue - 65°C
Swelling pressure (N/mm²)	0,45 to 0,65 (depend on type)
Coefficient of swelling (multiplicity)	From 15 to 30 (depending on the client's needs)
Shelf life for application	No limit, recommended - no more than 24 months
Commercial packaging	Roll from 10-100 m
Linear dimension (width x thickness)	See Table 1
Fire reaction class	B-s2,d0

Product description:

The PUD fire seal gasket is made of a mixture of graphite, polymers and fillers that cause the band to swell under fire conditions. By repeatedly increasing its volume, it prevents the fire from spreading through the fireproofed places in which it is installed.

Destiny:

The PUD seal is intended for making fire-resistant seals. It is used for sealing the frame in the wings and frames of both wooden and aluminum as well as steel fire doors (single and double), and any other place where there is a need for fire protection. It is also possible to use on uneven surfaces, as well as under decorative strips. The seal is completely resistant to water, does not flake and does not delaminate, after assembly very difficult to break. The PUD seal is stamped in the die, which has very accurate and non-variable geometric dimensions and high surface quality. In order to facilitate assembly, the gaskets can be equipped with a self-adhesive tape. Sales in coils of different lengths minimize waste. The swelling height and swelling pressure of the PUD gasket were tested at the Building Research Institute in accordance with the EOTA TR024: 2006 am: 2009 bating method.

Application:

The PUD gasket is mounted around the door, in the place previously milled. 3M double-sided adhesive tape ensures a stable connection with the element to be glued. The band should be fitted in the gap of the prepared cutter and glued around the protected door.

Storage:

Fire seal gaskets with adhesive tape should be stored in original packed packaging, in dry rooms and at a temperature of 3 ° C to 20 ° C. Gaskets without glue should be stored in original packed packaging, in dry rooms and at a temperature above 3 ° C. Once extracted, the gasket with the adhesive must be used within 10 days.



Photo from the fire tests of the PUD gasket at the Building Research Institute of the ITB:



Table 1

PUD FIRE SEAL GASKET CARBOLINE POLSKA			
Lp.	Name	Dimension (mm)	Catalog number
1	PUD	10 x 2,0*	340018015102
2	PUD	14 x 2,0*	340018015142
3	PUD	15 x 2,0*	340018015152
4	PUD	20 x 2,0*	340016015202
5	PUD	22,2 x 2,0*	340017015222
6	PUD	24 x 2,0*	340018015242
7	PUD	25 x 2,0*	340018015252
8	PUD	30 x 2,0*	340018015302
9	PUD	35 x 2,0*	340018015352
10	PUD	40 x 2,0*	340018015402
11	PUD	45 x 2,0*	340018015442
12	PUD	48 x 2,0*	340016015482
13	PUD	49 x 2,0*	340018015492
14	PUD	50 x 2,0*	340018015502
15	PUD	58 x 2,0*	340018015582
16	PUD	60 x 2,0*	340018015602

Warning :

Installation of gaskets with glue should be performed on well cleaned and degreased surfaces - in the case of painted surfaces, paints may react with glue, eg non-chemically hardened or polyvinyl paints. It is therefore necessary to check the quality by gluing a sample of the seal to the painted surface and observe the reactions for a period of two days. Use professional metal rollers for gluing. Recommended work in gloves. Read technical information before use.

Health and safety:

This product is intended for professional use in an industrial environment. Follow the applicable health, safety and environmental protection regulations when using and applying the product. Read the MSDS of the product before use.

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The information provided herein is based on the knowledge and experience of the manufacturer on the date of issue hereof. All information is provided in good will. Given the variety of application methods and conditions, verify them in actual conditions. The manufacturer declines all liability not related to the conditions in the valid standard.