

Fields of Application

In the mining industry:

- To fill gaps, scratches and cracks in the rock mass, goaf, stoppings, around linings;
- To prepare air stoppings;
- To consolidate crushed rock mass;
- To insulate and seal stoppings, goaf, passages of excavations through coal seams;
- To prepare non-flammable areas.

In the construction industry and tunnelling technology, to perform other works where materials with such parameters need to be used.

Advantages

Non-combustible product with mechanical strength and resistance to water and water solutions, weathering and biological degradation.

High yield owing to 30-fold foaming while maintaining the proper strength.

Low reaction temperature.

Very strong inhibitor of the coal oxidizing process (highest class 5 in the 5 grade classification of the Central Mining Institute).

It interrupts the coal self-heating process.

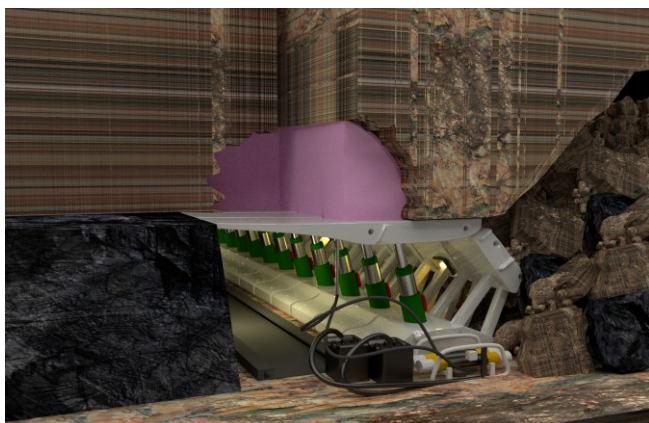
Quickly achieving effective, durable and long-lasting insulation.

Product characteristics

Two-component insulating and sealing phenolic foam with a high degree expansion.

Phenolic-formaldehyde resin: light to dark brown homogeneous liquid.

Catalyst: aqueous solution of the mixture of phenolsulphonic, sulphuric and phosphoric acids with additives.



Method of use:

Foam is made out of two components, i.e. resin and catalyst, by mixing them in the voluminal ratio of 4:1. Pump the components using the pump designed for such foams to the space to be filled, in the 4:1 proportion. You get a slightly foamed semi-fluid mixture that starts to gain in volume and setting after several seconds.

Product durability and storage:

The foam components are supplied in tightly closed canister-type containers: each component in a separate container. Recommended storage in dry and airy rooms that are adapted for such materials at +10°C+25°C.

The guaranteed durability from the date of manufacture is **2 months** for Poroflex® resin and **12 months** for Poroflex® catalyst on condition that they are stored according to the instructions.

Information on safe use:

It meets hygienic requirements and the requirements of the Polish and European Union laws on marketing, also for materials intended for use in underground workings of mining companies, in non-methane and methane spaces included in the explosion risk "a", "b" or "c" degree and dust coal explosion risk class A or B.

Poroflex resin: The product is not subject to transport of hazardous goods regulations RID and ADR.

Poroflex catalyst: The product has the Classification Certificate No. 099/IPO-BC/2008. UN Number: 3264.