

Fields of Application

In the mining industry:

- To strengthen and harden rock mass: roofs, floors and side walls;
- To strengthen and stabilise the side wall;
- To set and consolidate loose rocks; to fill gaps;
- To seal rock mass;
- To fill roof supports type PINK-AS.

In the construction industry and tunnelling technology:

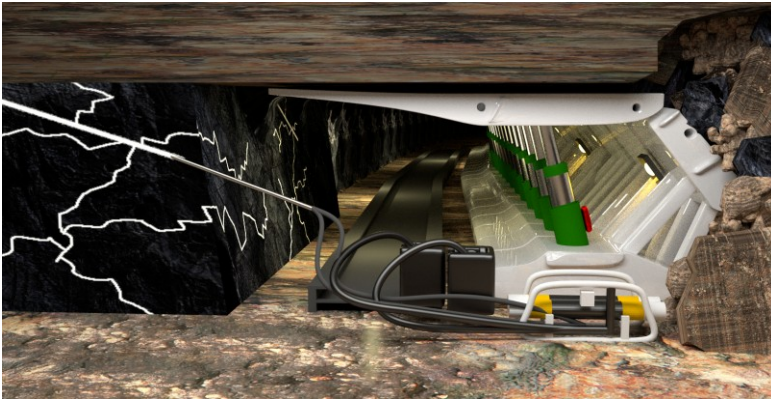
To perform other works where materials with such parameters need to be used.

Advantages

- It can be used in poorly and highly loose, dry, damp and highly flooded rocks, coal beds in mines and other underground facilities such as tunnels and hydraulic drifts.
- Non-meltable and insoluble. Insensitive to the action of saline waters.
 - Non-flammable; it does not glow. Burning time 0 sec; glowing time 0 sec; oxygen index OI=39.5%.
 - Shows high bending and compressive strength;
 - Resistant to atmospheric factors and biological degradation.
 - Non-flammable:
 - Antistatic with low resistance below $R_s=1 \times 10^9 \Omega$,
 - The application of the product does not affect the readings of the mine atmosphere sensors.

Product characteristics

Two-component urea adhesive Fixorapid®. Fixorapid® resin: liquid, urea and formaldehyde resin solution with additives; Fixorapid® hardener: liquid, diluted mineral acids with additives.



Method of use:

FIXORAPID® adhesive is prepared by mixing in the place of application 4 parts by volume of the resin and 1 part by volume of the hardener in a pump and pumping to the intended place.

Product durability and storage:

Store in dry and airy rooms. Recommended storage temperature for components +10°C+25°C. The storage time is as follows:

FIXORAPID® resin: app. 2 months (summer), app. 3 months (winter);

Fixorapid* hardener 1 year. As a standard, the product is packed in cans with a capacity of 25 dm³ made of plastic or metal (except for the hardener solution).

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.

Both components are not hazardous materials within the meaning of the RID/ADR transport regulations.