

Fields of Application

In the mining industry:

- To fix cuttable bolts
- To set loose rocks
- To strengthen the floor and side wall
- To seal rock mass.

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

Advantages

It allows a larger piece of the side wall to be secured and stabilised in a short time without specialised injection equipment owing to such properties as:

- Good adhesion to rocks and coal, even in a flooded environment;
- High mechanical strength while still maintaining elasticity;
- Economic application owing to foamability;
- Good penetration properties owing to low viscosity and a facilitative effect of the foaming pressure;
- After setting, water and degradation resistant..

Product characteristics

Polyurethane adhesive charge ERKADUROL® has two polyurethane adhesive components placed in separate sheaths inserted one into another, forming one charge, with the following parameters, as a standard:

- Diameter Ø 36 mm;
- Length L=300 mm;
- Total mass app. 0.31 kg;
- Gelling time app. 80-120 sec;
- Foaming ratio app. 2+3;

Erkadol: polyurethane adhesive resin, a mixture of polyols with special additives and modifiers;

Erkadur®: polyurethane adhesive hardener; polyisocyanate (MDI) with additives and modifiers.



Method of use:

Make an borehole in order to put one or more cartridges there. Destroy the sheaths of the cartridges and then mix the adhesive components with the bolt rod using a drilling machine or manually. The bolt rod remains glued in the borehole to become an additional strengthening element.

The recommended borehole diameter is 42 mm.

Product durability and storage:

Supplied in cardboard packages with 25 cartridges, gross weight 8 kg.

Store in storage facilities intended for chemical products.

The guaranteed durability is 2 months of the manufacture date on condition that the product is 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.

Adhesive cartridges Erkadur® are not hazardous materials within the meaning of the RID/ADR, IMDG, ICAO/IATA transport regulations.

They are not subject to classifications or restrictions.

Erkadol® does not contain hazardous ingredients in concentrations that would require including in the classification.