

KOMPLEKSING-AM

*One-component rapid-setting powdery mixture for grouting anchors
In compliance with: ASTM C827*

Field of application:

It is used for grouting anchors in tunnel construction, retaining walls, diaphragms etc. It is also used in all cases where there exists a problem of pulling off anchors and where early strengths are required.

Properties:

- Grey powdery mixture;
- Easily workable, by adding water;
- Attains high early strengths;
- Possesses extraordinary adhesiveness;
- Does not shrink;
- Protects the reinforcement against corrosion;
- Excellent bond to the substrate;
- Does not contain chlorides;
- Resistant to atmospheric effects;
- Possesses very high durability;

Technical features:

Bending strength:	
- after 1 day:	6±1 MPa
-after 28 days:	10±1 MPa
Compressive strength:	
- after 1 day:	26±3 MPa
-after 28 days:	63±3 MPa
Bond strength:	3-4 MPa
Linear deformations:	
-after 1 day:	0,04 mm/m'
- after 28 days:	-0,13 mm/m'
Temperature at placement:	5°C-30°C
Setting time at 20°C:	
- start (initial):	2:30 hours
-End (final):	3:30 hours

Substrate preparation:

The substrate should be clean, dust-free and well saturated with water.

Placement:

The product is mixed with the required quantity of water as designated on packing, with slow mixing up to the required consistency. The mixture is allowed to stay still for 2-3 minutes and is mixed again, and then is placed, at the latest within 20 minutes. Placement is performed mechanically, by using injection or by laying "perforated half tubes". During the first few hours, placed material should be protected against direct sun and draught.

Consumption:

From 2,2 to 2,4 gr/cm³

Cleaning:

Tools and equipment should be cleaned with water immediately after use.

Packing:

Bags: 25 kg.

Storage:

In original closed packing. Under dry conditions. Shelf life 6 months.

Health hazard:

It is necessary to avoid contact of the product with skin (use protective gloves). The material is not toxic, however, in case of accidental contact, in case when areas of the skin have been contaminated, those spots should immediately be washed with water and soap. If the material has been splashed into eyes, they should immediately be rinsed with a lot of water and medical assistance should be asked for.

Fire:

Kompleksing-AM is non-flammable.

Cleaning and discarding:

Loose residues of Kompleksing-AM are cleaned with water. The old and used packing should be discarded in accordance with the local relevant regulations for that kind of waste.

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