

MINING / CONSTRUCTION

EKOMENT RT

ANCHORING MORTAR

DESCRIPTION

EKOMENT RT is a quick hardening cement with additives. This is a blend of selected rapid ordinary Portland cement and additives which modify rheological properties and hardening.

APPLICATION AND USE

- Anchoring of steel parts in horizontal and vertical concrete surfaces
- Filling of scratches cracks, joints and deficiencies of concrete
- Anchoring GRP bolts

ADVANTAGES

- No bleeding – there is no separation of water. It cases full contact at whole contact surface
- Easy to use – one component only to mix with water
- No shrinkage – it ensures proper adhesion to substrate
- High mechanical strength –quick strength development
- Consistency control – by only addition of proper quantity of water it is possible to control flowability from thixotropic to fluid
- Thixotropic properties allow to inject in vertical conditions
- Expansion in plastic state – expansion at 2% level in plastic state allows to fill cavities better
- Chloride free



TECHNICAL DATA

The data below are laboratory data. They may vary in practice due to surface properties of the substrate, humidity, pressure, and other factors.

PRODUCT CHARACTERISTICS

Product	Ekoment RT
Compressive strength¹ after 8 hours after 12 hours after 24 hours after 28 days	≥ 1 MPa ≥ 5.5 MPa ≥ 20 MPa ≥ 50 MPa
Bonding strength	≥ 2 MPa
Chloride ion content	≤ 0.5%
Shrinkage	≤ 0.5 ‰
Fresh grout density	1550 ± 100 kg/m ³
Bleeding	≤ 0.5%
Radioactivity	≤ 500 Bq/kg
Reaction to fire	A1

1. 20 °C, w.s.r. 0.35

COMPONENT CHARACTERISTICS

Parameter	Ekoment RT
Colour / form	grey powder
Amount of water per 25 kg bag	8.75 liters
Pot life at 20 °C ¹	60 minutes
Output / Yield	17 dm ² /25 kgs bag

1. 20 °C, w.s.r. 0.35

APPLICATION METHOD

2. Preparation of the substrate

The treated surface must be thoroughly cleaned and all the loose concrete debris as well as cement wash. Keep the surface moisten but with no film of water before application.

3. Mixing

Mix the Ekoment RT with the prescribed amount of water for at least 3 minutes. Prepare only necessary amount of mortar that can be applied within the pot life.

4. Application of mortar

Fill the borehole through the injection lance or grouting anchor. Use a suitable pump (i.e. Wedgrip Universal Grout Pump System; IBO-REP; MV-2). Immediately after the filling insert the anchor. For injection anchors pump a grout over the anchor until the grouts start to flow from the borehole.

5. Curing

Exposed surface should be prevented from premature evaporation of water e.g. by covering with a plastic sheet in case of necessary.

Cleaning of tools and other equipment

After use immediately clean all the mixing equipment with water. If necessary remove mechanically all the remnants of hardened mortar.

6. Limitations

The material should not be applied when the substrate and/or air temperature is 5°C and falling. At 5°C static temperature or at 5°C and rising, the application may proceed.

At ambient temperatures above 35°C, the material should be stored in the shade and cool water should be used for mixing.

SAFETY INSTRUCTIONS AND LIMITATIONS

It is recommended that gloves, eye protection and a dust mask are used when handle Ekoment RT. For more details refer to our Material Safety Data Sheet.

PACKAGING AND TRANSPORTATION

25 kg valve sack, 40 bags per pallet. Other packing on request.

STORAGE AND SHELF LIFE

Shelf life 6 months when stored in dry and cool conditions.

DISPOSAL

Follow local regulations.

APPROVALS AND CERTIFICATES

- National Technical Approval SK04-ZSV-0546

DISCLAIMER

The Minova Logo is a registered trademark.

Copyright © 2019 Minova. All rights reserved

All information contained in this document is provided for informational purposes only and is subject to change without notice. Since Minova cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, Minova specifically disclaims all warranties express or implied in law, including accuracy, non-infringement, and implied warranties of merchantability or fitness for a particular purpose. Minova specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.

ME-NS/TE/FM/23-01/ Ekoment RT ed1

ADDITIONAL DOCUMENTATION

- EKOMENT RT MSDS

LIST OF REPRESENTATIVES

- AUSTRIA: Minova MAI GmbH
- CZECH REPUBLIC: Minova Bohemia s.r.o.
- FRANCE / BELGIUM: Sales office Minova France / Belgium
- GERMANY: Minova CarboTech GmbH
- ITALY: Minova CarboTech GmbH Italy branch
- KAZAKHSTAN: Minova Kazakhstan LLP
- POLAND: Minova Ekochem S.A.; Minova Arnall Sp. z o.o.; Minova Ksante Sp. z o.o.
- RUSSIA: ZAO "Carbo-ZAKK"
- SLOVAKIA: Minova Bohemia s. r. o., organizačná zložka
- SOUTH AFRICA: Minova Africa (Pty) Ltd.
- SPAIN: Minova Codiv S.L.U.
- SWEDEN / NORWAY: Minova Nordic AB
- UNITED KINGDOM: Minova Weldgrip Ltd.; Minova International Ltd.
- APAC: Minova Australia Pty Ltd.
- AMERICAS: Minova USA Inc.

CUSTOMER SERVICE

For additional support options available at your area, contact our local offices.

www.minovaglobal.com