

MINING / CONSTRUCTION

EKOPUR LS/G

POLYURETHANE SPRAYED MEMBRANE

DESCRIPTION

Ekopur LS/G is a two-component polyurethane system, obtained after mixing component A (polyols and additives) and component B (polymeric MDI isocyanate with additives) in a volume ratio of 1:1. Ekopur LS/G is usually applied by spraying technique. The properties allow to use the systems under various geological and mining conditions. Application parameters of the system can be adjusted to customer specific requirements.



APPLICATION AND USE

Ekopur LS/G is used as a sprayed material for protection, insulation and sealing of sidewalls, ceilings, insulation dams and roof support components. Ekopur LS/G is especially recommended as a base, ground layer before spraying other systems.

ADVANTAGES

- Good adhesion to various rock substrates
- Reacts in contact with salt rock or in presence of salt
- Reaching a desired strength in a short time
- Good hydro-insulation and gas-insulation
- Does not increase the endogenous fire risk
- Does not disturb gas indicator readings
- Anti-electrostatic properties
- Low flammability

TECHNICAL DATA

The data below are laboratory data. They may vary in practice due ambient temperature, pressure and other factors.

COMPONENTS CHARACTERISTICS

Component parameters	Ekopur LS/G Component A	Ekopur LS/G Component B
Density [g/cm ³]	1.1-1.3	1.1-1.3
Viscosity [mPas]	200-700	200-700

PRODUCT CHARACTERISTICS

System parameters	Ekopur LS/G (A + B)
Reaction end time [seconds]	5-15
Flammability	self- extinguish
Electrostatic properties	<60 nC

APPLICATION METHOD

Using a pump-set, the two components (in a volume ratio of 1:1) are fed via a static mixer. The components are mixed in a static mixer. The reacting components are sprayed through the head fitted with compressed air supply. The membrane hardens within a few minutes.

SAFETY INSTRUCTIONS AND LIMITATIONS

When applying the product, use standard PPE meant for work with chemicals: safety gloves and goggles, protective clothing etc. Immediately change the clothes if they become soaked with components. For detailed safety information please see the Ekopur LS/G Material Safety Data Sheet.

Failure to follow the TDS or the application equipment operating manual and particularly its poor technical condition, insufficient cleaning and lack of maintenance, leads to a change in the ratio of supplied components which may have a negative influence on the performance parameters of the final material.

PACKAGING AND TRANSPORTATION

Adhesive components are packed into barrels/canisters with a capacity of 20 or 30 liters. Containers are delivered on pallets. After arranging with the customer, the material can be delivered in alternative packages (for instance 200 liters barrels or 1000 liters containers).

STORAGE AND SHELF LIFE

The components A and B shall be stored in airtight containers and in dry and well-ventilated areas at 10 - 30 °C.

The warranty period for properly stored components (A and B) is respectively: 6 months for component A and 6 months for component B.

DISPOSAL

Follow local regulations.

APPROVALS AND CERTIFICATES

1. Hygienic assessment (PZH)

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ADDITIONAL DOCUMENTATION

- Ekopur LS/G 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"
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CUSTOMER SERVICE

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