

MINING / CONSTRUCTION

Tekflex LP

SPRAYABLE WATERPROOFING MEMBRANE

DESCRIPTION

Tekflex LP is a two-component mineral-organic mixture used for spraying a flexible membrane. Component A is a liquid, aqueous polymer dispersion, component B is a cement-based powder. Before use, the components are mixed in a weight ratio of 2:1 (A:B).

APPLICATION AND USE

- Waterproofing of concrete in sandwich type structures
- Waterproofing of concrete, strata surface, anti-weathering membrane,
- gas barrier in ventilation control
- and sealing underground structures.
- And more special applications

ADVANTAGES

- High flexibility and tensile rupture
- Good adhesion ability to different rocks
- High yield - about 200m² of 1 ton of material
- High application rate
- Good hydro-insulation and gas-insulation
- Low flammability
- Non-toxicity



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.

Parameter	Unit	Value
Mixture viscosity	Pa*s	75 – 150
Mixture density	g/cm ³	~ 1,2
Gel time	min	30 – 70
Tensile strength after 24h	MPa	> 1
Elongation at break after 24h	%	min. 20
Typical tensile strength after 28 days	MPa	min. 10
Applied layer thickness	mm	2 – 6
Consumption at layer thickness of 4mm	kg/m ²	5
Flammability		self-extinguish
Anti-electrostatic properties		dissipative

APPLICATION METHOD

Spray mixture is prepared in the pump hopper. Mixed components are pneumatically conveyed via a rubber hose to the spraying nozzle. The optimal conditions for Tekflex membrane application are, when the nozzle is placed within 0.75 - 1.00 m from the sprayed surface and the falling angle is close to 90°. For details, please see Application Instructions.

SAFETY INSTRUCTIONS AND LIMITATIONS

Failure to follow the application equipment operating manual, and particularly its technical condition, insufficient cleaning and lack of maintenance, lead to decrease of application efficiency or make the application completely impossible. The coating shall not be applied on water -soluble rock, surfaces covered with dripping water or dust. It is not recommended to use the material at temperature below 15 °C, in relative air humidity of over 85%.

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 Material Safety Data Sheet.

For more details refer to the Tekflex LP Material Safety Data Sheet.

PACKAGING AND TRANSPORTATION

Tekflex LP Component A	Tekflex LP Component B
25 kg plastic containers	25 kg three-ply tightly closed paper bags

Other packing units on request.

Bags and containers are stacked on pallets in quantities agreed with the customer.

STORAGE AND SHELF LIFE

Tekflex LP components shall be stored in airtight containers, in dry and well-ventilated areas. Component B must be properly secured against water and moisture. Component A storage temperature shall be 5 - 25°C. Under no circumstances shall it be exposed freezing.

The warranty period for properly stored components is 3 months.

DISPOSAL

Follow local regulations.

APPROVALS AND CERTIFICATES

1. Certificate authorizing to sign the product with safety mark “B” – Central Mining Institute, Katowice, Poland.
2. Hygienic Certificate – National Institute Of Public Health – National Institute Of Hygiene, Warsaw, Poland

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ADDITIONAL DOCUMENTATION

- Tekflex LP MSDS

LIST OF REPRESENTATIVES

- AUSTRIA: Minova MAI GmbH
- BELGIUM / FRANCE: Minova France C/O Orica Belgium SA
- CZECH REPUBLIC: Minova Bohemia s.r.o.
- GERMANY: Minova CarboTech GmbH
- ITALY: Minova CarboTech GmbH
- KAZAKHSTAN: Minova Kazakhstan JV LLP
- NORWAY: Minova Norway C/O Orica Norway
- POLAND: Minova Ekochem S.A.
- RUSSIA: Minova Leninsk-Kuznetsky / ZAO "Carbo-ZAKK"
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- AMERICAS: Minova Georgetown (Regional Headquarters)

CUSTOMER SERVICE

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

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