

HARD ROCK MINING

FLEXIMESH

EASY TO INSTALL VENTILATION STOPPING

DESCRIPTION

Minova Fleximesh is an easy to install temporary secondary ventilation device that allows for the stopping of air flow to or from an area of a mine that may require complete access at a later stage.

Minova has developed the Fleximesh stopping cloth as a light-weight replacement for stoppings constructed with steel reinforcing sheets and a cloth backing. A Fleximesh stopping cloth can be carried by two personnel. The 6.9m x 7.5m stopping cloth will fit most drive profiles.

APPLICATION AND USES

- Temporary airflow stoppings

ADVANTAGES

- Easily installed using existing mine services
- Light weight allowing fast installation by two operators
- Durable and high tensile strength cloth eliminates wear and impact damage
- Easily relocated for re-use as required
- Achieves an effective seal against the rock
- Designed to suit most opening profiles
- Coated with a flame-resistant anti-static coating



TECHNICAL DATA

Property	Minimum Average Values
Standard Stopping Size (m)	7.5 x 6.9
Cloth Weight (kg/m ²)	0.65
Aperture Size (mm)	30 x 30
Tensile Strength at Ultimate (kN/m) ¹	> 80
Tensile Strength at 5% Strain (kN/m) ¹	> 80
Elongation at Break (%)	10

1 - Tensile strength is applicable for both directions of mesh manufacture

Fleximesh cloth is comprised of high tenacity polyester yarns, crafted into a stable interlocking pattern and then coated for protection from installation damage. The high modulus polyester grid has a flame retardant polymer protection coating (FRAS tested in Germany and Australia).

The polyester webbing has a width of 25 mm with an average tensile strength of 10.5 kN. The

webbing is woven integrally into the Fleximesh cloth. Each corner of the stopping is reinforced on both sides which also encase and attach to the webbing.

APPLICATION METHOD

Attach the high strength webbing located around the periphery of the Fleximesh to knocker line using air-line safety clips. A light-weight ventilation cloth is now ready to attach to the Fleximesh. The Fleximesh stopping under ventilation pressure will form a catenary that fits the drive profile.

TECHNICAL SUPPORT

We provide technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

MANUFACTURER

Minova Australia Pty Ltd

An ISO 9001:2015 Quality Management
Certificated Company



FS 603747

ADDITIONAL INFORMATION

Minova Australia offers a comprehensive range of products, all of which have been developed after extensive research and testing on a global scale via our international network of operations. These products include:

- Resin anchor systems
- High yield grouts and foams
- Monolithic chock systems
- High performance cable bolt grouts
- Polyurethane resin systems
- Sprayable coatings for ventilation control
- Water stop grouts
- Ventilation formwork systems including: Meshblock and Tecmesh
- Grout mixers and batchers both air and hydraulically operated
- Contract Installations
- Flexible membranes for strata support and waterproofing applications

CUSTOMER SERVICE

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