



Soudal Mining Foam

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Base	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Fast moisture-cure
Skin formation (20°C/65% R.H.)	5-8 minutes
Curing rate	10-15 minutes in underground conditions
Yield	1 can yields ca. 130 tappings
Shrink	None
Post expansion	None
Cellular structure	Ca 80 % closed cells
Specific gravity	Ca. 27 kg/m ³ (extruded)
Temperature resistance	-40°C to +100°C when cured
Colour	Yellow fluorescent
Fire class B3 (DIN4102 part2)	Self-extinguishing
Propellant	Non flammable - Pure R-134a
Insulation factor - (DIN 52612)	30 mW/m.K
Shear strength (DIN 53427)	Ca 15 N/cm ²
Pressure strength (DIN 53421)	Ca 4 N/cm ²
Bowing strength (DIN 53423)	Ca 7 N/cm ²
Water absorption (DIN 53429)	2 % Vol.
Vapor penetration	70 g/m ² /24h

Product:

Soudal Mining Foam with R-134a non-flammable propellant is a one-component, self-expanding, ready to use polyurethane foam. The CFC-free propellant is completely harmless to the ozone layer. Due to its unique expansion system it can be applied in all positions, even overhead.

Characteristics:

- Can be used in overhead applications
- Non toxic after curing
- 50% less propellant
- propellant is non flammable for safety of mining conditions
- fluorescent, therefore easy to apply and trace in dark places
- special mechanism for application overhead in cramped situations
- self-extinguishing

- produced for underground mining conditions – very fast curing

Application examples:

Tapping
Sealing of ventilation ducts
Sealing of hoppers

Packaging:

Packaging: aerosol can

Shelf life:

- 12 months in unopened packaging in a cool and dry storage place
- Always store can with the valve pointed upwards

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.



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Application:

Shake the aerosol can for at least 30 seconds. Put the adapter on the valve. Moisten surfaces with a water sprayer prior to application. The aerosol can can be used in all directions. Remove pressure from the applicator to stop. Fill holes and cavities for 50 %, as the foam will expand.

Repeat shaking regularly during application. If you have to work in layers repeat moistening after each layer. Fresh foam can be removed using Soudal Foamcleaner or acetone. Cured foam can only be removed mechanically. Working temperature 5°C to 40°C. (20°C-25°C recommended)

Health and safety recommendation:

- Apply the usual industrial hygiene.
- Wear gloves and safety goggles.
- Remove cured foam by mechanical means only, never burn away
- Consult the label for more information.

Remarks:

- Work in layers and repeat moistening after each layer
- Cured PU-foam must be protected from UV-radiation by painting or applying a top layer of sealant (silicone, MS Polymer, acrylic and PU-sealant)

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