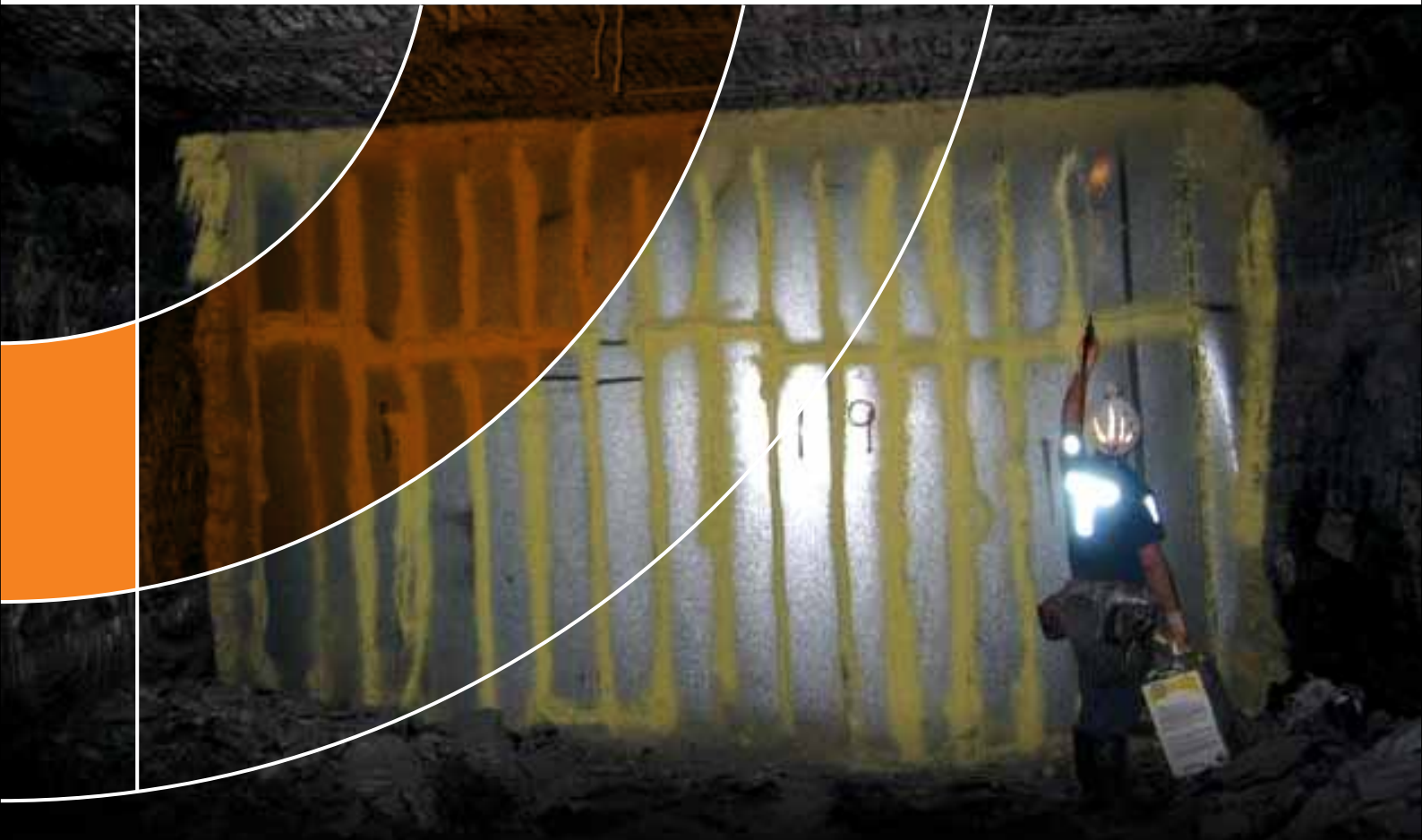


# Silent Seal® Product Data



Solutions from Materials Technology





## Silent Seal®

Minova is an approved and exclusive Australian supplier of Silent Seal, a multi purpose two-component expanding resin foam for rapid sealing applications. Silent Seal can be used for a large range of applications including sealing around ventilation structures, sealing cable bolts holes prior to grouting, small cavity filling and containment barriers in underground mining and tunnelling excavations.

Silent Seal is supplied in ready to use packs including delivery hoses, spray gun and nozzles. Silent Seal can be applied by simply opening the valves of the two separate component canisters, attaching a nozzle to the spray gun, directing the nozzle towards the intended application point and pressing the trigger.

Full training procedures exist for the application of Silent Seal and comprehensive training and assessment by qualified Minova representatives is available to all customers. It is highly recommended that the individual product training procedure be reviewed prior to the application of any Minova product.

Silent Seal is a multiple purpose expanding sealant designed as a quick and efficient air tight sealant used to insulate, fill and seal gaps and voids. Silent Seal is a polyisocyanurate two-component foam, approved for underground mine use (information available on request) and has an extremely low flame spread index of less than 25, based on independent ASTM E-162-87 test results. Typical mine uses for Silent Seal include ventilation sealing and borehole sealing.

- supplied as a ready to use pack, simply open the valves to begin
- can be sprayed onto any surface in any direction
- fully expands and tack free within seconds, cures in 1 hour
- expansion ratio (approximately) 8 to 1
- excellent coverage
- cured sealant is chemically inert, non-toxic and non-reactive in approved applications
- UV exposed surfaces must be coated to prevent degradation
- requires no power source to apply
- empty containers are fully disposable
- thoroughly shake containers before use
- theoretical yield 0.42 m<sup>3</sup> per pack

## Storage

### Shelf Life

Silent Seal has a shelf life of 12 months when stored in ideal conditions. Excessive heat can cause premature aging or components resulting in a shorter shelf life. Once opened Silent Seal should be continuously used to avoid reaction of components within spray lines that may cause spray nozzle blockages.

### Storage Conditions

Silent Seal should be stored in a cool dry area. Do not expose to open flame or temperatures above 49°C.

## Health and Safety

- Silent Seal must be used in a well ventilated area and according to NSW DPI conditions of use for NSW coal mines
- Necessary PPE includes approved eye protection, dust mask and full length protective clothing.
- Risk of serious damage to eyes
- It is highly recommended that personnel be trained in the safe and correct use of Silent Seal prior to undertaking any application. Full application procedures and training is available from Minova.





## Product Service Support

Minova provides a full service support package to customers, including underground pull testing, operator awareness training, underground audits and stock control assistance. Each service package is developed to suit the individual customers requirements.

All aspects of Minova's product service support service is provided by experienced trained and qualified personnel.

## Additional Information

For additional information relating to any aspect of this product specification data, including product performance, quality, testing, specification, range, availability etc. please contact your nearest Minova office, or email: [technicalsupport@minovaint.com](mailto:technicalsupport@minovaint.com)

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