

VERY LONG-LASTING HEAT SHIELD BOUCLIER THERMIQUE TRES LONGUE DUREE

Functionality

Semi-rigid, refractory system, in the form of a blanket, for thermal insulation.

- Protects, even in corners, heat-sensitive walls and coverings (plaster, paint, wood, fabric, etc.) during welding.
- Two usable sides (shield symmetry).
- Its design and the use of silica felt guarantees very long-term use and very high flexibility.
- Does not give off fumes during heating.
- Does not contain asbestos or ceramic fibres.

Labels and Accreditation

Fire reaction classification according to the standard DIN EN 13501-1 : A1

Technical characteristics

Characteristics	Specifications
Type	Silica felt on silica fabric folded in half around an aluminium sheet
Dimensions	200 x 270 mm
Thickness	10 mm ($\pm$ 2 mm)
Usage temperature	+1100 °C
Fire behaviour	Non-combustible
Mechanical strength	High
Thermal conductivity	Low
Thermal insulation	Very good: 0.16 W/m.K at 800 °C for the fabric and the silica felt

Use

Instructions for use

- Position the shield between the pipe and the coating to be protected.
- During welding, this heat shield will provide protection if the operating conditions are according to best industry practice (*), namely:

- Even heating of pipes and connectors by continuous sweeping of the soldering torch or blowtorch along the pipe (the flame must be directed so that it covers the pipe and/or connector) to avoid overheating.
- Immediate withdrawal of the flame from the surface of the material to be welded as soon as the filler metal is applied (temperature below 900 °C).

(*) For example, those described in the *Manuel du brasage tendre* (soft soldering manual) and the *Manuel du brasage fort* (hard soldering manual) (La Soudure Autogène Publications, Paris).

Safety precautions

The Material Safety Data Sheet is available on the Internet on www.quickfds.com or on www.geb.fr.

If the product is subject to detergent regulation : Component list available on request at reach@geb.fr

If the product is subject to biocide regulation or if it contains a biocide to protect it : Consult the Material Safety Data Sheet - Please use the products responsibly.

Tip

After use, we recommend that you keep it in its plastic bag.

Comments

Do not direct the flame of a blowtorch directly on the surface of the shield.

Storage

The expiry date on packaging is for unopened product stored at 20°C in normal hygrometry conditions.

Packaging and waste sorting

Refer to the information on the product and to the applicable local regulations.

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use.

This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check on <http://www.geb.fr> that you have the latest version before use.