Insulation materials. Our world. For a better world

UNION FOAM

Rev. 11.2020

EUROBATEX® GLASTEC/ HIGH TECHNOLOGY

INSTALLATION MANUAL

EUROBATEX® GLASTEC/HIGH TECHNOLOGY is an insulation system with a coating that ensures excellent performance in the event of fire and excellent resistence against mechanical abuse and UV radiation. The coating is composed of a thin aluminum foil coupled with a layer of mineral fibre. The aluminum foil is an efficient barrier against water vapour transmission and is 100% waterproof.

PREMISE

To help users and applicators of their own insulation materials carry out a correct installation, UNION FOAM S.p.A. has produced this manual with the aim to offer advice, based on acquired experience, on technical solutions which can facilitate and simplify a "state of the art" thermal insulation.
The following information purely offers practical suggestions but UNION FOAM S.p.A. recommends that working conditions should be evaluated and analysed individually to ensure a perfect installation of the insulation material.
UNION FOAM S.p.A. only guarantees "constant quality" and the compliance of its products based on current regulations.
This installation manual defines the rules that must be observed for a correct installation of our EUROBATEX GLASTEC and EUROBATEX HIGH TECHNOLOGY products.

HANDLING, TRANSPORT AND STORAGE:

- The material should be carefully handled and stored.
- Physical damages: scratches, surface breaks and mechanical stress should be avoided in order to preserve the UV resistance, waterproof and fire resistance properties.
- Do not work with damaged material.
- Store the material at a temperature between 0 °C and 35 °C.

EUROBATEX GLASTEC/HIGH TECHNOLOGY SHEETS FOR DUCT INSULATION:

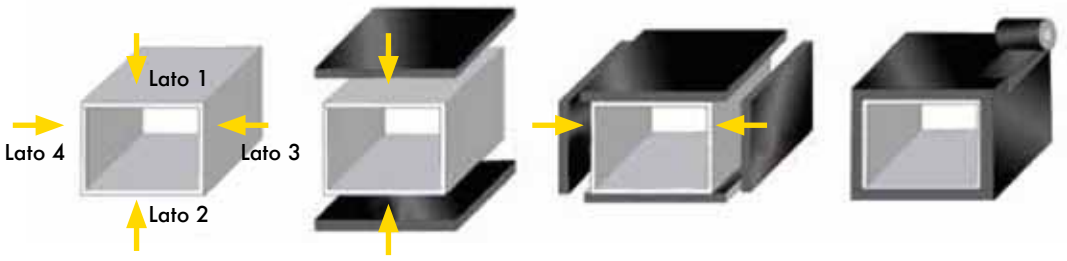
The correct procedure for duct insulation is described in the illustration below (*Fig.1, 2, 3 and 4*). Take the measurements of sides 1 and 2, transfer them to the material and cut out the sections.

N.B. When measuring the sides it is important to add the equivalent of twice the insulation material thickness to allow for a correct fitting on the duct with sides 3 and 4.

Take the measurements of sides 3 and 4, transfer them to the material and cut out the sections. Proceed with the insulation as shown in figs 1 and 3 and seal the joints with NC GLAS tape. Due to the different possible applications of EUROBATEX GLASTEC and EUROBATEX HIGH TECHNOLOGY, we recommend that a polymeric sealant is applied on the edges of the tape.

NOTE: this application can be carried out with either a standard or self-adhesive sheet (apply the adhesive to both to the insulation material and the duct). In both situations we strongly recommend that a suitable solvent is used to clean the surfaces of any grease or dirt before the insulation material is applied.

Fig.1 *Fig.2* *Fig.3* *Fig.4*



INSTALLATION OF EUROBATEX GLASTEC/HIGH TECHNOLOGY SHEETS FOR PIPEWORK:

Measure the circumference of the pipework to be covered and cut the EUROBATEX GLASTEC/ HIGH TECHNOLOGY sheet so that sheet height e pipework circumference have the same dimensions *(Fig.1)*.

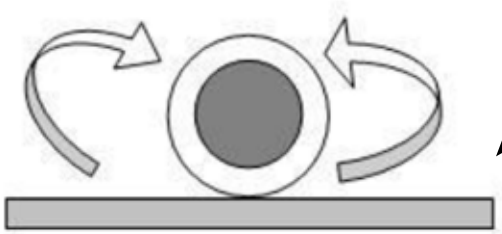


Fig.1

Apply the adhesive along both sides of the longitudinal cut, install the sheet above the pipework and join the surfaces *(fig.2)*. For a correct adhesion to the surfaces, apply pressure on both sides z.

N.B. Instructions for applying the adhesive are comprehensively described in the relevant technical data sheet.

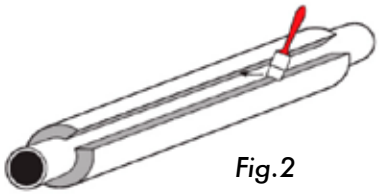


Fig.2

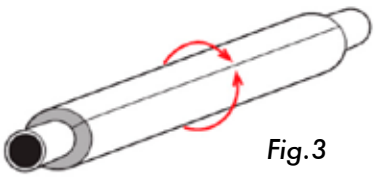


Fig.3

In order to obtain a secure seal, apply NC GLAS tape on the joint *(fig.4)* and apply a polymeric sealant on the edge of the tape *(Fig.5)*.

N.B. For a proper adhesion of the tape, make sure that the section to be covered is free from dust, grease and adhesive residues; apply pressure when fastening and avoid tensioning.

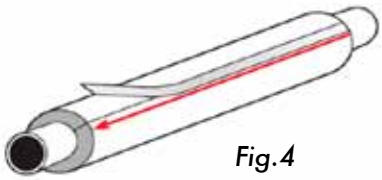


Fig.4

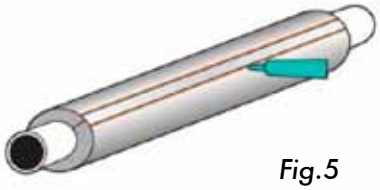


Fig.5

Repeat the operations illustrated so far with a second piece of EUROBATEX GLASTEC/HIGH TECNOLOGY sheet, then glue the two sections together *(Fig. 6)*, paying attention not to make the longitudinal closures coincide *(Fig.7)*.

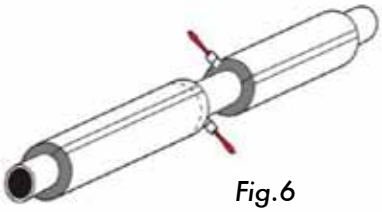


Fig.6

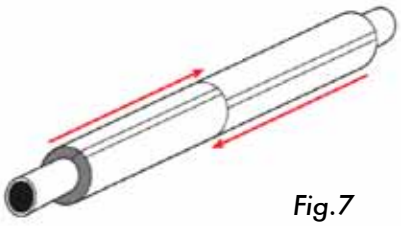


Fig.7

Fix the joint with tape and seal with polymer sealant *(Fig.8)*.

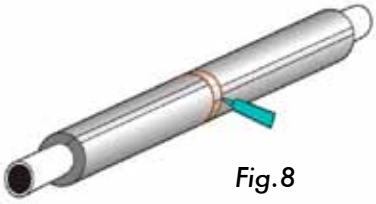


Fig.8

EUROBATEX GLASTEC PIPE INSTALLATION:

Install the EUROBATEX GLASTEC/HIGH TECHNOLOGY tube section on the pipework *(Fig. 1)*, remove the protective film of the adhesive along both sides of the longitudinal cut and join the two surfaces *(Fig. 2)*. For a correct adhesion on the surfaces, apply pressure to both sides.

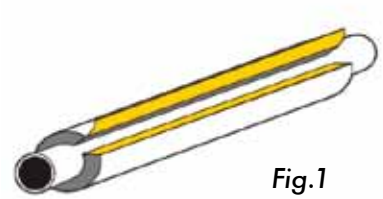


Fig.1

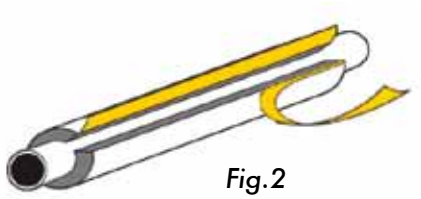


Fig.2

Remove the protective film from the adhesive overlap and seal the closure *(Fig. 3)*. Fix the overlap to the tube with special metal nails *(Fig. 4)*, one every 20 cm (the nails must be applied with the appropriate awl).

N.B. for a proper adhesion of the overlap, make sure that the section to be covered is free from dust, grease and adhesive residues; apply pressure when fixing.

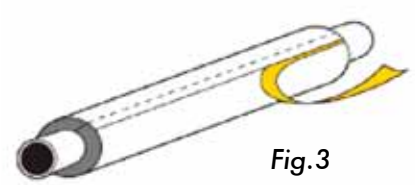


Fig.3

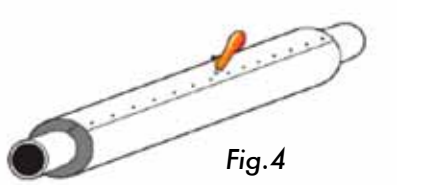


Fig.4

Repeat the operations illustrated so far with a second section of EUROBATEX GLASTEC/HIGH TECHNOLOGY tube *(Fig. 5)*, then glue the two sections together, taking care not to make the longitudinal closures coincide *(Fig.6)*.

N.B. Instructions for applying the adhesive are comprehensively described in the relevant technical data sheet.

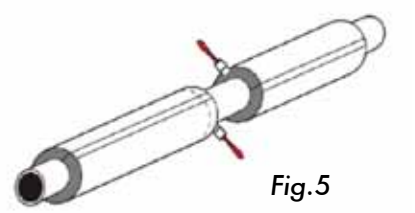


Fig.5

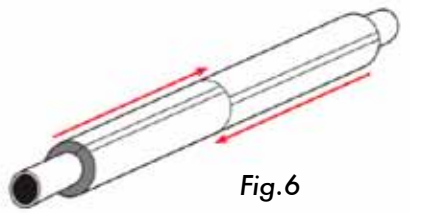


Fig.6

Fix the joint with tape *(Fig. 7)* and seal with polymer sealant *(Fig.8)*.

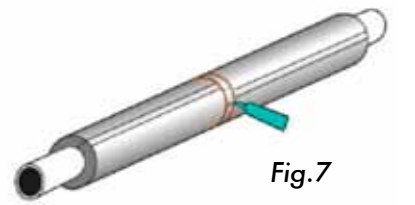


Fig.7

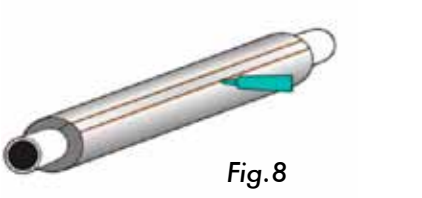


Fig.8

Union Foam S.p.A.
via dell'Industria 11 - 20882 Bellusco (MB) Italy
tel. +39.039.62089.1
sales@unionfoam.it - www.unionfoam.it