

Refrex® Multi Tube Bellows

High temperature resistant flexible tube sealing for tube-passings in roofs, floors and walls for all types of process heaters and furnaces reformers in the (petro-) chemical industry.

General

Since 1984 Insulcon's Wearflex® Division started to develop high temperature flexible tube-seals for ethylene crackers, reformers, crude heaters, etc. for several multi-nationals. Refrex® Multi Tube Bellows are applied now for many years in Naphtha- and Ethylene Cracking, Reforming-, and Platforming furnaces, Visbreakers, Crude heaters and all kind of process heaters.

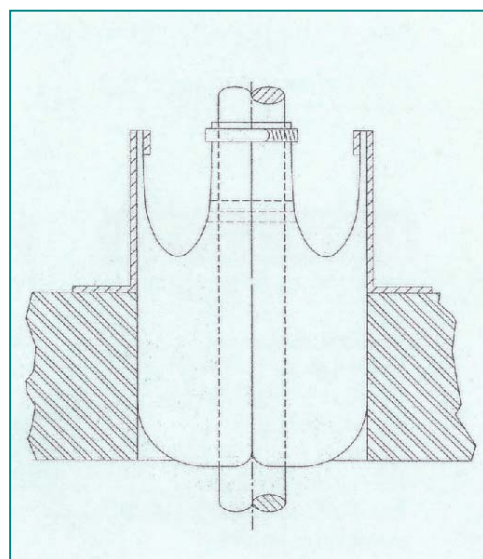
Well-established engineering companies as well as several (petro-) chemical multinationals are on our reference list. Insulcon's Refrex® Multi Tube Bellows guarantee a durable application resulting in low maintenance costs and high-energy savings. Complicated high temperature tube passings, through roofs or walls may be flexible sealed by Insulcon's Refrex® Mono or Multi Tube Bellows. Our database of success, know how and our range of technical fabrics, allow the Wearflex® division to select the ideal combination of materials to produce an end-product with guaranteed optimal service life. Based on Insulcon's worldwide experience with high temperature woven fabrics, the Refrex® woven fabric types were selected to be the best materials for the (HT) Bellows.

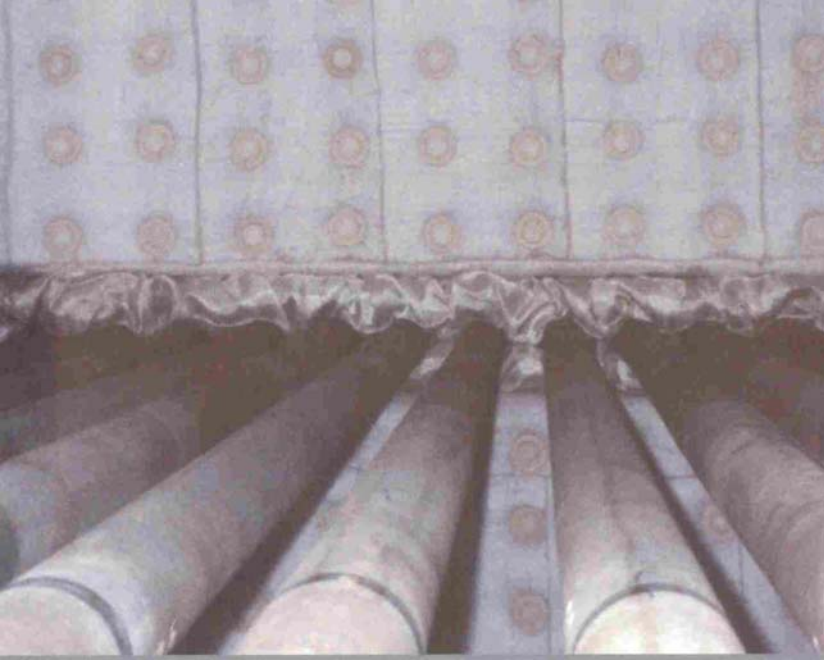
Refrex® Multi Tube Bellows

Save a lot of energy (high reduction of cold air ingress).
Have a payback period of approximately 12 –14 months.

Refrex® 1200/1400 fabrics

Refrex® fabric is woven out of threads made out of different rovings. The rovings are assembled out of specified number of endless Refrex® filaments with a fibre-diameter of 10-12 micron. No binders are added, only a "sizing", a temporarily coating which protects the Refrex® fibers during the weave process. Refrex® 1200 and 1400 filaments and textiles are non-oxidizing, non hygroscopic, chemically stable, have a low conductivity and a good abrasion resistance. Insulcon has a major stock of several qualities of the



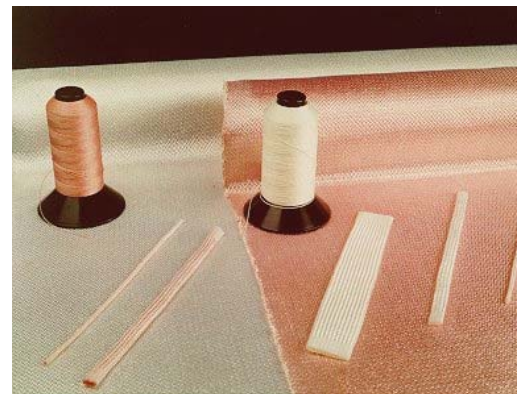
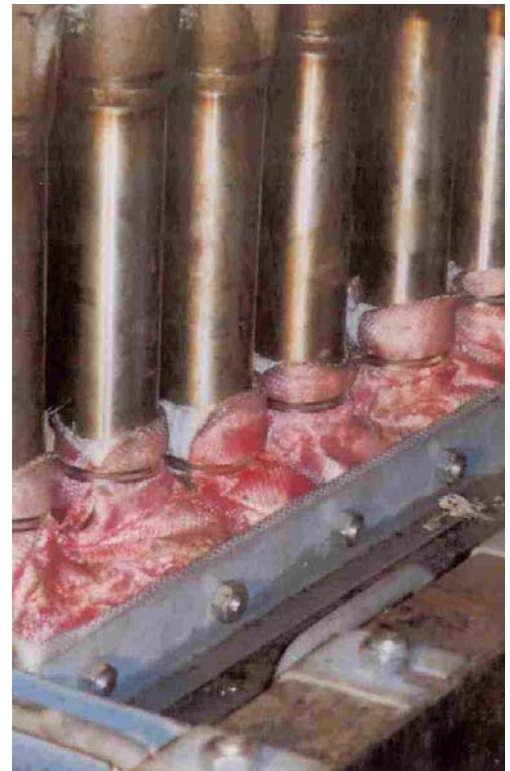


Refrex® 1200 and 1400 fabric types. To assure the reliability at extreme temperatures, the corresponding Refrex® sewing yarns are used to make this a 100% Refrex® product. Fixing systems are up to the requirement of our clients and vary from endless stainless steel fixing profiles, separate (tube by tube) fixing bands and Refrex® tie-cords, fully inserted in the Refrex® fabric topside of the Multi Tube Bellow.

If required, special designs will be made to suite the requirements of our clients. Insulcon's Wearflex® division takes care of development, engineering, production and sale for all kinds of 'flexible refractory' applications. If you would like to have supervision and/or inspection at your site as well, we will gladly be at your service. If necessary we can supply within

24 hours, 7 days a week.

For more information about other Refrex® products, please see our other leaflets. You can contact our specialists as well. They will gladly look at the possibilities in your company and will make you an offer without any engagement.



For more detailed information about these products, please do not hesitate to contact one of our specialists.

Contact numbers:

The Netherlands - Insulcon B.V.

Tel: +31(0)167565750

Fax: +31(0)167566263

Belgium - Keramab N.V.

Tel: +32(0)37110278

Fax: +32(0)37110856

Germany - Insulcon GmbH

Tel: +49(0) 2162/24960-0

Fax: +49(0) 2162/24960-29