

## Application Datasheet

### Wearflex® Flexible Launder Joints for the non-ferro Industry

#### **Application**

Wearflex® flexible launders are used as a flexible seal between the tilting furnace and the launder system.

#### **History**

Traditionally, in the Non-Ferro industry, a one-layer seal or a cast-iron furnace spout is used as a joint between the tilting furnace and the launder system. However, a one-layer seal can be used only a single time because of possible leakage. As a result, units must be taken out of operation, resulting in production losses and direct maintenance and service costs.

To prevent these problems, engineers of **THE INSULCON GROUP** developed a unique Wearflex® flexible launder joint.



#### **Application**

Wearflex® Launder Joints are flexible, multi-layer seals. Contrary to the traditional one-layer seals, they can be used multiple times (up to 50 casts). This reduces not only maintenance, but also service costs. Due to their flexibility, Wearflex® Launder Joints are fully tear resistant. They have a durable construction and are easy to install and to replace.

#### **Concept**

Wearflex® Flexible Launder Joints consist of a combination of different materials, which can vary up to customers' specification. The two basic materials of Wearflex® Launder Joints are:



- A body soluble insulation blanket, made of materials which are classified in Class "0" (Directive 97/69/EC). Therefore, labelling is not required and no special precautions are necessary during processing and packaging.
- The thickness, density, chemical and technical properties of the insulation blanket, which is used, depend on:
  - a) The operating temperatures
  - b) The chemical environment
  - c) The available space for installation
- A heat resistant glass cloth, which was specially developed for the Wearflex® Launder Joints. The glass cloth, which is used on the hot-face of the Wearflex® Launder Joint, provides strength, tear resistance and protection for the underlying insulation blanket.

Form: AS/1/004  
Effective: 06102005/ES  
Supersedes: 15082002/ES  
All Rights Reserved

Page 1 of 2

The information, recommendations and opinions set forth herein are offered solely for your consideration, inquiry and verification, and are not, in part or total, to be construed as constituting a warranty or representation for which we assume legal responsibility. Nothing contained herein is to be interpreted as authorization to practice a patented invention without a license.

**The Netherlands – Insulcon B.V.**  
Tel: +31(0)167-565750  
Fax: +31-(0)167-566263



**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



## Application Datasheet

### Wearflex® Flexible Launder Joints for the non-ferro Industry

#### References

Wearflex® Flexible Launder Joints are used by several renowned non ferrous companies throughout the world. All Wearflex® Launder Joints Insulcon Group produces different types of flexible launder joints.



#### Summary of advantages

Wearflex® Flexible Launderers:

- are flexible, tailor-made seals
- can be used multiple times (up to 50 casts)
- prevent leakage
- lower maintenance and service costs
- are easy to install and to replace
- have a durable construction

Form: AS/1/004  
Effective: 06102005/ES  
Supersedes: 15082002/ES  
All Rights Reserved

Page 2 of 2

The information, recommendations and opinions set forth herein are offered solely for your consideration, inquiry and verification, and are not, in part or total, to be construed as constituting a warranty or representation for which we assume legal responsibility. Nothing contained herein is to be interpreted as authorization to practice a patented invention without a license.

**The Netherlands – Insulcon B.V.**  
Tel:+31(0)167-565750  
Fax:+31-(0)0167-566263



**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

