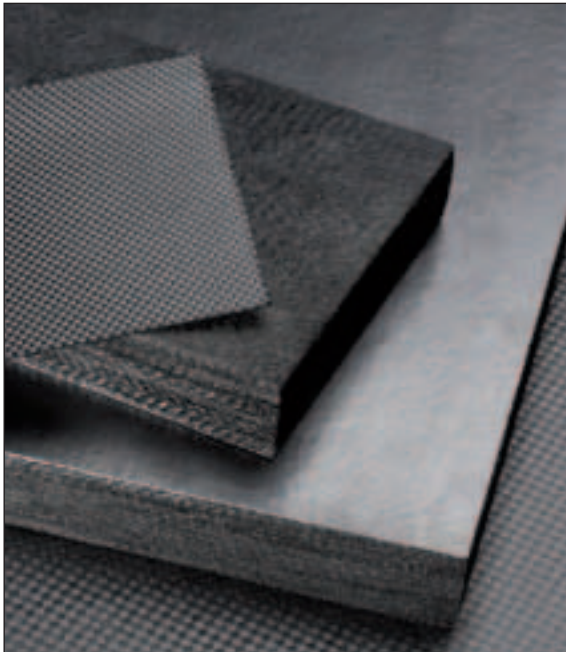


No substitute for quality: Ipsen graphite linings for vacuum furnaces.

Graphite linings in vacuum furnaces are subject to wear during loading and unloading as well as from powerful streams of gas in the furnace and therefore have to be changed at given intervals.



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For the basic insulation of its vacuum furnaces, Ipsen offers self-supporting 1,000 x 1,500 mm² hard felt composite panels 20, 30 or 40 mm thick, as well as panels 500 x 1,000 mm² that are 40 mm thick. A film coating makes them particularly resilient; they are temperature resistant far above 2,000 °C. To additionally stabilize the surface, the interfaces are provided with special protection. The edges (such as edge surrounds) which are exposed to extreme flows are additionally provided with CFC profiles. This keeps the graphite insulation from abrading and extends its service life. All of the materials that are used are thermally treated before installation to prevent gaseous emissions (of binders, for example).

Amazingly strong: CFC coating

Particularly in contract hardening facilities with changing operating personnel and automated charges, the heating chamber floor is exposed to high loads. To protect it, the entire floor area is covered with a CFC panel 1.5 cm thick.

If damaged, the cover can be quickly and easily exchanged since there is no permanent bond to the insulation layer. This also takes care of the different heat-related changes in length of the insulation and CFC panel. Thanks to the low heat storage of the CFC panels, their use does not have any influence on the quenching and cooling speeds of the furnace. The entire heating chamber can optionally be lined with CFC.

The Ipsen PLUS warranty:

Ipsen warrants all wearing parts for nine months.

For non-wearing parts the warranty runs for 30 months from the time of installation by an Ipsen service technician.

If you need more information, or would like to know more about our company and the products we make, then simply contact us.

We're looking forward to hearing from you!

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Hard work wins

