



POST OF 03/09/2026

Prefabricating furnace lids: Workshop instead of downtime

A furnace lid hangs — its lining works against gravity. That is why the anchor system, not the castable, decides the service life.

When prefabricated in the workshop, lining and controlled drying run alongside ongoing production. During the shutdown, the lid is only swapped.

Lid prefabrication checklist

- | | |
|--|--|
| ☐ Anchors | remove worn anchors completely, not just the visibly defective ones |
| ☐ Anchor grid | redefine for the lid and lining thickness, do not copy from the old lid |
| ☐ Lining | install and compact on the trestle — calmly rather than overhead |
| ☐ Drying | controlled in the workshop, not only once in the furnace |
| ☐ Sealing face | measure against the furnace rim on the trestle: if the lid sits properly, no false air is drawn in |
| ☐ Swap | agree date, transport and lifting points with the plant in advance |

*Fully lined lids in the workshop**Anchor grid in the lid frame before casting*

Common mistakes

- Leaving old anchors in place because they are still firmly seated — the lining detaches after the first campaign.
- Lining the lid overhead during the shutdown: less control, longer downtime.
- Sealing face not measured: false air is drawn in, and the edge is the first to burn away.

PRACTICAL NOTE

Have the new lid made before the old one is due. Then you plan the shutdown for the swap — not for the build.

Questions about your furnace?

We assess lining, zones and condition — with a reply within 24 hours on working days.

+49 89 541 960 200

info@sbs-rs.de

www.sbs-rs.de/en/fachwissen