



POST OF 15/09/2026

Sign-off before the first heat-up: The inspection points

Before a newly lined furnace sees fire for the first time, it is walked through. Afterwards nothing can be reworked: what is noticed now is repaired cold — what is overlooked now shows up in operation.

Three things are checked: the dimensions, the surface, and the joints together with the heat-up curve. Only when all three are right does the furnace go into controlled drying.

Sign-off checklist after relining

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| ☐ Openings and passages | check dimensions against the drawing — inlet, passages, burner and measuring openings |
| ☐ Door and charging machine | fit the new geometry, nothing collides |
| ☐ Surface | closed, without honeycombing; check edges and transitions for cracks |
| ☐ Rework | repair any irregularities cold now and record them in the report |
| ☐ Expansion joints | clear — not clogged with debris or bridged with mortar |
| ☐ Heat-up curve | agreed with the operator, handed over in writing, responsible persons named |
| ☐ Documentation | photos of each zone, sign-off report signed by both parties |



Newly lined furnace chamber before the first heat-up



Furnace front: opening and door fit the new geometry

Common mistakes

- Sign-off only after drying: then every repair turns into spalling.
- Expansion joints clogged during clean-up — they are missing exactly when the furnace expands.
- Heat-up curve agreed only verbally: the next shift knows nothing about it.

PRACTICAL NOTE

Schedule the sign-off as a fixed appointment between lining and drying — with drawing, lamp and report, and with the person from the plant who will later heat up the furnace.

Questions about your furnace?

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

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