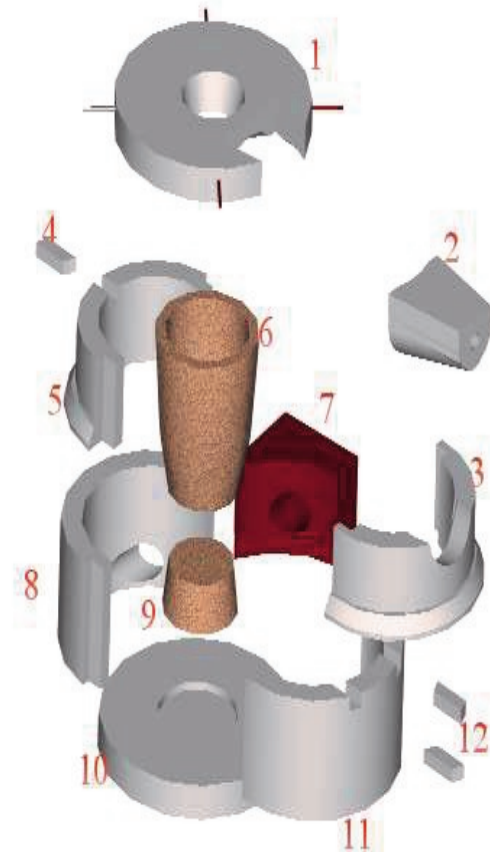


# Pre Cast Tilt Furnace Lining

**Furnace Technologies** manufactures and supplies quality Pre Cast Tilt Furnace Linings for its **A100, A200** and **A300 Tilt Furnaces**

## Internal cast section layout

1.	Cast lid with S/S thread rods
2.	Pouring spout
3.	Front top casting
4.	Crucible retainer (not essential can be fitted if needed)
5.	Rear Top Casting
6.	Crucible
7.	Burner Port
8.	Rear bottom casting
9.	Crucible stand
10.	Base Casting
11.	Front Bottom Casting
12.	Crucible post 1 off (NB has changed to a single large post) Advantages over brick linings.



### A Cast lining has advantages over brick linings:

- **Superior strength.** Typically cold compressive strength greater than 140 Mpa compared to around 6 Mpa for Brick.
- **Superior resistance** to chemical and slag attack.
- **Speed of replacement** around 1 hour from cold, compared to three days for a brick lining.
- Superior chamber design creating **greater fuel efficiencies** and faster heat up times.
- No difficulties with labour experience or failures due to poor installation or bad drying firings as parts are all pre fired.
- **Only** replace panels that are damaged.
- A broken crucible will not mean relining the furnace. In most cases the slag can be chipped away from the lining with a cold chisel and still remain useable.