Thermal room design checklist

Sauna · steam room · hammam — design values and the checks to close before drawings and tender

Sauna Dekor Spa Solutions
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Design values

Room	Design condition
Finnish sauna	80–100 °C
Steam room	40–50 °C at close to 100 % relative humidity
Turkish hammam	Room air 40–50 °C
Göbek taşı (heated marble platform)	Surface 40–45 °C

SAUNA

- ☐ Heater sized to the room as drawn, with every glass and stone surface counted, not to the catalogue's maximum cabin volume.
- ☐ Duty rating stated in writing for commercial use: continuous-operation hours and element warranty.
- ☐ Air path on the drawings: supply low near the heater, extract high on the opposite wall.
- ☐ Timber named by species and grade; benches in low-conductivity timber with concealed fixings.
- ☐ Control panel position agreed; volt-free contact to the BMS where the building has one.
- ☐ Electrical supply, isolator and luminaire drivers outside the hot zone.

STEAM ROOM

- ☐ Fully tanked substrate, tested with water before tiling.
- ☐ Vapour barrier continuous over walls and ceiling, with no break at the junction.
- ☐ Sloped ceiling, never flat, so condensate runs to the walls.
- ☐ Floor laid to falls towards the drain.
- ☐ Steam generator sized by its manufacturer's method to room volume and finishes, with service access.
- ☐ Designed extract to a shaft or an external wall, never into the room next door.
- ☐ No timber inside the room; fixings stainless or sealed.

HAMMAM

- ☐ Room air and platform surface specified as two separate values (see table).
- ☐ Heating method and control for the göbek taşı chosen and drawn.
- ☐ Kurna basins with hot and cold supply; a drain at each basin and around the platform.
- ☐ Tanking under the marble, carried up the walls.
- ☐ Domed or sloped ceiling so condensate does not drip on bathers.
- ☐ Marble selected for wet, heated use; joints kept to a minimum.

BEFORE TENDER

- ☐ Electrical loads, water and drainage points and the extract route agreed with the MEP consultant.
- ☐ Fire performance data for linings and a material submittal for the authority.
- ☐ Interface owner named for waterproofing, floor falls, drainage and electrical supply.
- ☐ Each room named by type in the tender, not only "sauna".
- ☐ Commissioning and handover documents listed as deliverables.
- ☐ Equipment from its manufacturers (heater, steam generator) listed with model and data sheet.

Sauna Dekor Spa Solutions designs, manufactures and installs saunas, steam rooms, hammams and pools, in its own facility in İkitelli OSB, Istanbul: 40 years of manufacturing since 1987, TS EN ISO 9001:2015, projects in 41+ countries.

Design values: Sauna Dekor approved operating ranges, November 2026.