Part 6: Firewalls

The following delivery specifications of Wieland-Werke AG form part of the contract. Any deviating specifications are to be agreed upon between the supplier/contractor and Wieland, and documented.

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The following standards must be taken into account:
Local (state) building regulations, VdS guidelines, VDE guidelines

- Firewalls may only be installed by competent persons. Before starting work, proof of appropriate training must be submitted to the purchaser.

- Only systems approved by the construction supervision authority may be used. The conditions for the approved use of the system must be observed.

- Firewalls must be clearly marked with a securely attached sign bearing the
  - system identification, firewall no. (starting with building no., e.g. 36-xxx), person responsible for carrying out the work, date

  New firewalls at Vöhringen must be entered in the corresponding plans.

- For repairs, please use the worksheet “Repairing Firewalls” (Brandschottungen instandsetzen) in SAP Z023.

- Different firewall systems must not be combined within one firewall. In exceptional cases, submission of the approval is required.

- Only the following systems are used by Wieland in the Ulm and Vöhringen plants:
  - Soft firewall made of mineral fibre plates and ablation coating plus corresponding coating of cables/pipes on both sides of the firewall. Wall thickness ≥ 12 cm, material make Minimax.
  - Fire protection foam, 2-component foam approved only for repair purposes, cable installation wall thickness >25 cm; combination with soft firewall not possible!
- **Fire protection blocks / fire protection stoppers**, according to manufacturer approval make Hilti possible in combination with fire protection foam.

- **Cable boxes**, only to be used in new buildings, plastic covers required as smoke protection, seal with silicone, make Wichmann.

- **Fire protection collars**, required for plastic pipes.

- In the **Villingen plant** only HILTI system firewalls are used in accordance with local conditions.

- Acceptance after execution exclusively by qualified personnel of GE.EY – Ulm and Vöhringen plants, RP.VI – Villingen plant or RP.LA – Langenberg plant.

The procedures for the procurement and documentation of firewalls are set out in the annex; these must be observed. -- Annexes 1 to 3
Annex 1
Firewalls for investments

Flowchart

Determination of fire compartments

GE.BU – Ulm, Vöhringen
RP.LA – Langenberg
RP.VI – Villingen

Execution planning / selection of firewall

Expert for firewalls

Project management

Result:

Costs

Schedule

Additions to the plans

Firewalls as construction work

Order through ventilation planner

Execution + Documentation

Framework agreement

Order through project manager

Execution + Documentation

Independent trades

Call for tenders / tender

Execution + Documentation
Annex 2
Maintenance of existing firewalls

- Extraordinary inspection
  - GE.EY.VO – Ulm, Vöhringen
  - RP.LA – Langenberg
  - RP.VI – Villingen

- Regular inspection
  - OS.OS – Ulm, Vöhringen
  - RP.LA – Langenberg
  - RP.VI – Villingen

- Post-installation work
  - GE.ET.VO/IT.TTN.VO – Ulm, Vöhringen
  - RP.LA – Langenberg
  - RP.VI – Villingen

Order in writing to:
- GE.EY.VO/Ec – Ulm, Vöhringen
- RP.LA – Langenberg
- RP.VI – Villingen

System selection

Order

External service
- Ulm, Vöhringen plants
  - Minimax

Own work
- Ulm, Vöhringen – via GE.EY.VO/Ec
- Langenberg – RP.LA
- Villingen – RP.VI
Annex 3
Temporary firewalls / during the construction phase

During the construction phase or installation of the plant, temporary firewalls may be required if there is a corresponding potential risk.

Decision by the project manager on a case-by-case basis or by the fire protection officer (in Langenberg)

Order to
GE.EY.VO/Ec – Ulm, Vöhringen
RP.LA – Langenberg
RP.VI – Villingen

External companies  Own employees