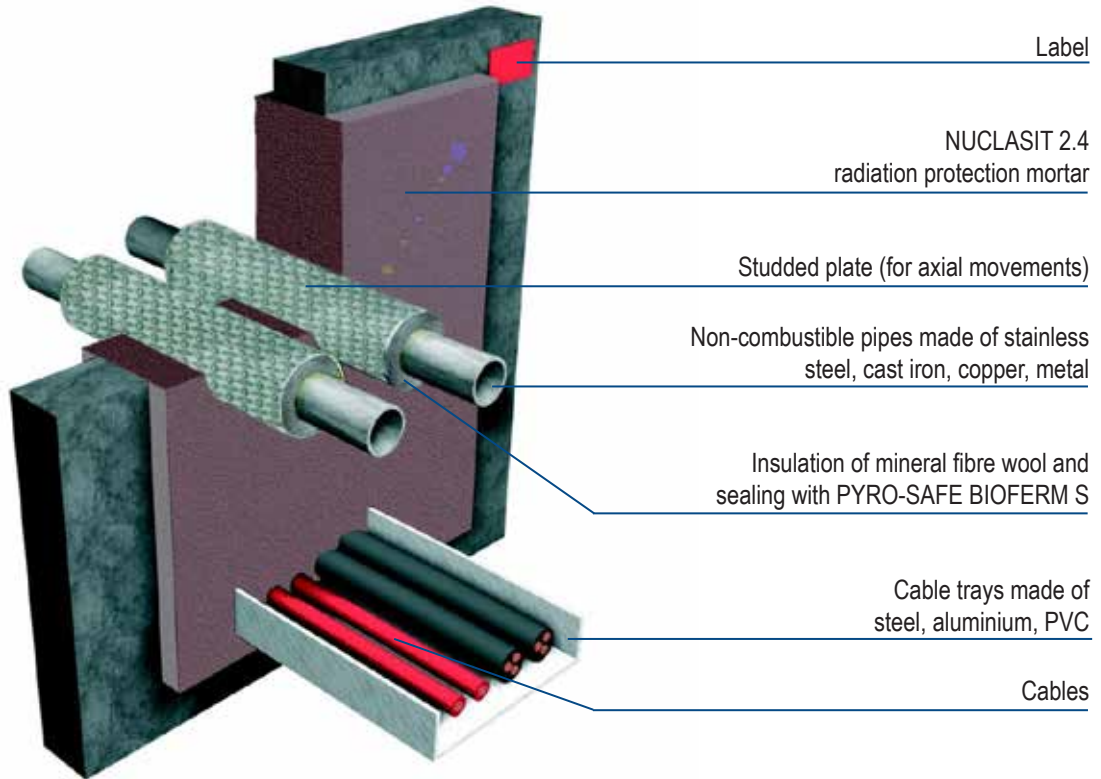


# Nuclasisit

Special mortar sealing system with radiation protection requirements for all types of cables as well as non-combustible pipes. Also suitable for filling door frames.

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## System description

### Applications

Special mortar sealing systems for cable penetrations and non-combustible pipes as well as door frame filling in nuclear facilities, reprocessing plants and plants with radiation protection requirements in accordance with radiation protection ordinance (StrlSchV) and X-Ray ordinance (RöV).

### Characteristics

Fire resistant and smoke tight, temperature depleting, space-enclosing, splash-proof, resistant against hose stream pressure.

### Fire protection features

Up to 2 hours integrity and insulation

### Applicability certificate

#### Fire Protection

- Approval CTICM 98 H 340 (France)
- Test Report MA 39-F 1417/85 (Austria)
- Test certificate 11647 DI N° 27 (Italy)

#### Radiation protection

- Nuclear Research Centre Jülich – BS/B 85/1 (Radiology)
- Nuclear Research Centre Jülich – 12/85-ZFR-A4 (Attenuation measurement)
- Test engineering building materials testing institute – 01.41.1968.85 (Pressure resistance)

Pipes

Cables

## Technical Data

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### Permissible services

Electric cables and power lines of all types and diameters, fibre optics, cable bundles and cable trays.  
Non-combustible pipelines made of steel, cast iron or copper.

### Particular points to note

Installation and handling only in accordance with the approval.

### Retrospective installation

The subsequent installation of cables and pipes is possible. Remaining openings for additionally installed cables are closed with NUCLASIT 2.4.

### Preliminary building work

None. Pipelines with axial movements must be encased with studded plate in the bulkhead area. The joint must be filled with mineral wool on both sides to a depth of 40 mm (building material class A1, melting point  $\geq 1000^{\circ}\text{C}$ ) and sealed elastically with PYROSAFE BIOFERM S.

## Components

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- NUCLASIT 2.4 radiation protection mortar
- Mineral fibre wool
- PYRO-SAFE BIOFERM S fire protection silicone
- Label