

NuPLUG 1110 Feedthrough sealant system



NuPLUG 1110 is a mortar used as a fire barrier in the sealing of penetrations, mainly in nuclear power plants or other nuclear sites.

This mortar can be used to seal electrical, mechanical and non-through-hole penetrations in walls and slabs, with a medium level of through-hole saturation. This mortar meets various requirements, such as fire separation: It can be completed with a waterproof or airtight coating

Key benefits

- High waterproofing performance with the addition of a waterproof coating (NuCOAT 3110I or NuCOAT 7110I)
- Very little shrinkage and no cracking after drying
- Easy to apply, without formwork, in pellet form or via a mortar pump
- Economical solution

Performance

- Fire protection : up to 3h according to the configuration
- Airtight, watertight and decontaminable with the addition of a sealing compound pressure and water resistant up to 1.4 bar according to the configuration
- reaction to fire A1

References

- EPR Flamanville 3
- EDF nuclear plants
- EPR Taishan

Technical Data

- Qualification following the standard EN 1366-3 EDF specification
- Density of finished product: between 0,9 & 1,9
- Minimum thickness : 200mm

Options

- Additional waterproofing and decontamination requirements with additional coating of (NuCOAT 3110 or NuCOAT 7110)
- Installation of "reservation wedge", allowing subsequent repositioning of small crossings

Application

- 2 possibilities of implementation:
 - manually using a mortar pump
 - in pellet form
- Setting time: 4 à 6 hours
- Complete drying time: 28 days