

NUCLASIT 2.4

Radiation Protection Mortar

Description

One-component, hydraulically curing and ageing-resistant, suitable for pumping, pressing and for manual installation, free of fibres, phenol and halogen softeners.

Application Areas

- Used in nuclear installations, reprocessing plants and machines with radiation protection requirements according to the German Radiation Protection Act (StrlSchV) and X-ray Act (RöV).
- Used as closure material for cable, pipe and mixed penetration seals.



Delivery and Packaging

NUCLASIT 2.4	
Packaging	bag
Container size	30 kg
Item number	
	01165000

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Technical Data

Radiology	No radiation-induced damage of a serious nature after radiation exposure (level 3 and level 4) was detected during the irradiation test. (pre-exposure to gamma rays).
Coating	reddish-grey
Bulk density (fresh mortar)	2800–3100 kg/m ³
Dry bulk density	2.50–2.90 kg/dm ³
Compressive strength	18–22 N/mm ²
Bond strength	0.5–0.8 N/mm ²
Compressive strength in joint	3–4 N/mm ²
Application temperature	> +5 °C
Application time	approx. 3–4 hours
Final strength	after approx. 28 days
Weakness measurement	Weakness measurements carried out on insulation boards made of mineral mortar NUCLASIT 2.4 (boards 55 × 55 × 5 cm). The shielding effect of the insulation boards is similar to barite concrete with a density of 3.5 g/cm ³ .
Application instructions	Surfaces must be solid, free of adhesion-reducing substances and dust. Absorbent surfaces should be pre-wet with water. The consistency of the mortar must be adapted to fill all necessary building elements without cavities.
Consumption	~ 3 l water + 30 kg dry mortar ≈ 11 l ready-to-use wet mortar ≈ 11 l volume after hardening
Storage	Cool and dry
Safety information	Please observe the safety data sheet.