



NEODUR PFM-ZE / NEODUR PFM-ZE Flex

Status 01/2021

**paving joint mortar on cement basis
for grouting of paving and slab areas in bonded construction**

DESCRIPTION

NEODUR PFM-ZE and NEODUR PFM-ZE Flex paving joint mortars are factory produced dry mortars on cement and natural sand (0-2 mm) base, with additives for improvement of the mortar properties.

- NEODUR PFM-ZE for grouting of paving areas in bonded construction
- NEODUR PFM-ZE Flex for grouting of slab areas in bonded construction

APPLICATION

For new joint grouting of natural and concrete paving stones/slabs in bonded construction of construction classes IV to VI.

PROPERTIES

- very good flow and compaction grade
- high compressive, flexural and bond strength
- increased frost and de-icer resistance acc. to CDF
- fills the demands of DNV
- durable and non-deformable
- low in chromate acc. to TRGS 613
- non-flammable (A1) acc. to DIN 4102
- environmentally friendly and non-toxic

TECHNICAL DATA

Colour	NEODUR PFM-ZE NEODUR PFM-ZE Flex	grey / light grey grey
Compressive strength [N/mm²]	NEODUR PFM-ZE NEODUR PFM-ZE Flex	≥ 50 N/mm ² ≥ 40 N/mm ²
Flexural strength [N/mm²]	all qualities	≥ 7 N/mm ²
Bond strength [N/mm²]	NEODUR PFM-ZE NEODUR PFM-ZE Flex	≥ 1 N/mm ² ≥ 1,5 N/mm ²
Water addition per 25 kg bag	NEODUR PFM-ZE NEODUR PFM-ZE Flex	3,5 l/ 25 kg 4,0 l/25 kg
Processing time	all qualities	approx. 40 minutes
Processing temperature	all qualities	5 °C - 25 °C
Stress/loadability The setting times of the bedding mortar have to be observed.	all qualities	cars after 7 days full stress after 14 days

PROCESSING

Sub-base

The substructure must be produced sufficiently supporting for the expected traffic loads and checked accordingly.

- NEODUR PFM-ZE: The paving area must be free from any contamination. The stones must be firmly embedded. The joints should have a height of at least 2/3 of the stone height and be 8 mm wide. The water permeable substructure, the bedding and the stones have to fill the demands of RStO resp. DNV. The area to be grouted must be thoroughly pre-wet.
- NEODUR PFM-ZE Flex: The slabs must be free from any contamination. The slabs have to be laid with white adhesive. The joint width should be ≥ 8 mm and equal the height of the slab. The water permeable sub-structure, the bedding and the slabs must fill the demands of RStO resp. DNV. The area to be grouted must be thoroughly pre-wet.

Processing

Mix NEODUR PFM-ZE resp. PFM ZE Flex in pan type mixer or with double stirrer with the specified amount of water for at least 3 minutes. Pour the freshly mixed mortar onto the area to be grouted and work it into the joints, diagonally and void-free, using rubber squeegee.



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As needed, use joint vibrator for complete de-aeration. As soon as the mortar starts setting, clean the surface. We recommend the use of a sponge cleaning device (e.g. Pergo Schwammfix).

AFTER-TREATMENT

Differing temperatures may influence the setting resp. hardening process. The cleaned paving area must immediately be covered with foil for at least 7 days.

SUPPLEMENTARY HINTS

Hairline cracks due to temperature fluctuations do not influence the functionality of the joint and are not considered a defect. Expansion joints have to be planned and carried out. The relevant norms and guidelines have to be observed. A test area is recommended.

SUPPLY

25 kg special paper packaging

STORAGE

Dry, like cement. Shelf-life approx. 3 months.

HINTS: This product contains cement and has an alkaline reaction with moisture/water. Therefore protect skin and eyes. In case of contact with eyes, consult a doctor. The specifications provided in this data sheet for application and processing are based on tests carried out by KORODUR under ideal conditions in the laboratory and acc. to the relevant technical regulations. Therefore, the indicated data don't represent directions for application or a quality agreement in the meaning of § 434 (1) BGB, no regulation in the meaning of § 434 (2) sentence 2 BGB (German Civil Code) and no guarantee for practical application. Due to the differing conditions on site, preliminary own tests and suitability checks are required before application. Please consider the currently valid product information as well as the relevant safety data sheet acc. to Regulation (EC) No. 1907/2006 in the latest version – also published on the internet: www.korodur.de.



ISO 9001
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