



per 06/2025

NEODUR VM basic

**mineral, hydraulic setting, highly flowable expansive grouting concrete
for all kinds of grouting and assembly works**

DESCRIPTION

NEODUR VM basic is a ready to use, non-shrink, fast-setting and early high-strength grouting concrete acc. to DAfStb guideline VeBMR. For all kinds of grouting and assembly works, based on high-grade KORODUR aggregates. Tested in accordance with DVGW work sheet W 347 for hygienic requirements in the drinking water section.

APPLICATION

For full bond grouting works, e.g. for anchor and assembly holes, grouting underneath of machines, turbines, craneway rails, steel and concrete supports, railing posts, pipe culverts and channels for heavy-loads for traffic areas. Due to its final strengths NEODUR VM basic is suitable for highest dynamic and static stress as well as for use in the drinking water sector in accordance with the German drinking water ordinance.

PROPERTIES

- highly flowable
- non-shrink
- fast-setting
- high early and final strengths
- solid bond to concrete and steel
- frost and de-icer resistant
- waterproof
- chloride-free
- easy to mix
- for indoors and outdoors

TECHNICAL DATA

Quality	C55/67						
Grain size	0 - 5 mm						
Compressive strength	after 1 day ≥ 40 N/mm ² after 7 days ≥ 60 N/mm ² after 28 days ≥ 75 N/mm ²						
Grouting height/width	15 - 200 mm						
Swelling value	≥ 0,1 vol. %						
Water addition	approx. 3,0 – 3,2 l/25 kg bag						
Yield	approx. 12 - 13 l/25 kg						
Slump class	a3> 700 mm						
Shrinkage class	SKVB I						
Temperature	≥ 5 °C						
Humidity classes based on concrete corrosion due to alkali-silica reaction. The aggregates of the NEODUR products comply with DIN EN 12620 of alkali sensitivity class E1 from harmless resources.	Humidity class						
	WO		WF		WA		WS
	fulfilled						
Exposure class acc. to DIN EN 206-1 / DIN 1045-2	XO	XC	XD	XS	XF	XA**	XM
		1234	123	123	1234	123***	1
	fulfilled						

** at sulfate attack up to 1.500 mg/l

*** with additional safety measures acc. to DIN 1045-2, proof of sulfate resistance acc. to DIN 19573, Appendix C.

APPLICABLE NORMS / GUIDELINES

DAfStb guideline (VeBMR) production and use of cementitious grouting mortar and grouting concrete, DIN EN 1504-3, DIN 12620, DIN EN 206. and DVGW work sheet W 347.

NEODUR VM basic

PROCESSING

Sub-base

For full bond the sub-base must be free from cracks, flat, free from loose debris, dust, cement slurry, oils and greases. Pre-wet the sub-base thoroughly, avoiding formation of puddles.

Processing

Mix a complete bag NEODUR VM 5 basic with the specified amount of water for approx. 3 minutes with stirrer (approx. 400 rpm), or with suitable mixing and pumping technology, e.g. with S 5 EV EVTM from Putzmeister, PA-BEC from Bau-Maschinen Beckschulte, Project CP 30 BASIC from EUROMAIR, or pump with EMT 75 from ESKA-Maschinentechnik.

The grouting must take place void-free and without interrupting work. Take care for ventilation.

AFTER-TREATMENT

Differing temperatures may influence the setting and hardening process. NEODUR VM basic must be protected from too rapid drying out acc. to DIN EN 13670 / DIN 1045-3.

SUPPLY

25 kg special paper packaging

STORAGE

Dry, like cement. Shelf-life approx. 12 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.



Certified
quality management system
DIN EN ISO 9001:2015



KORODUR International GmbH
Wernher-von-Braun-Straße 4 · 92224 Amberg
Tel. +49 (0) 9621 4759-0 · info@korodur.de

www.korodur.de