



NEODUR VM 1 / VM 3 / VM 5

grouting mortar

**NON-SHRINK GROUTING MORTARS
ACC. TO THE "INSTRUCTION SHEET ON GROUTING MORTARS"**

DESCRIPTION

NEODUR VM 1, VM 3 and VM 5 are based on high-grade KORODUR aggregates, factory-produced, ready to use, non-shrink and high-early strength grouting mortars for all kinds of grouting works and assemblies.

APPLICATION

Indoors and outdoors.
NEODUR grouting mortars – excellently suitable for permabond grouting works, for anchor and assembly holes, for stuffing of machinery, crane way rails and bridge bearings etc. NEODUR grouting mortars, due to their final strengths are suitable for highest dynamic and static stresses.

COMPOSING

Binding agent acc. to DIN EN 197-1/DIN 1164, aggregates acc. to DIN EN 13139, approved concrete additives.

PROPERTIES

- easy mixing
- non-shrink
- high flowability
- chloride-free
- good bond to concrete and steel
- water impervious
- frost and de-icer resistant

TECHNICAL DATA

grain size grouting heights/widths:

NEODUR VM 1 0-1 mm approx. 5–20 mm

NEODUR VM 3 0-3 mm approx. 10–50 mm

NEODUR VM 5 0-5 mm approx. 20–80 mm

In case of grouting heights/widths > 80 mm also NEODUR VB 8 grouting concrete with grain size 0–8 mm can be used.

water addition per unit:

approx. 3 ltr

slump after 5 minutes: > 55 cm

swelling value: > 0,1 Vol. %

compressive strength after

24 hours: > 35 N/mm²

compressive strength after 28 days:

> 65 N/mm²

yield per unit: approx. 12 – 13 ltr

processing temperature: > 5° C

PROCESSING

Clean the subbase from loose particles such as dust, cement-slurry, oil and grease. Then thorough pre-wetting, avoiding the formation of puddles. NEODUR grouting mortar to be mixed as complete unit in pan type mixer or using stirrer (approx. 400 rpm) with the indicated water quantity for at least 3 minutes. Cast the mortar voidless and without interruption avoiding air inclusions.

NEODUR grouting mortars can be pumped with customary plaster mortar and concrete pumps.

AFTER-TREATMENT

After-treatment acc. to DIN 1045. Differing temperatures may influence the stiffening resp. hardening procedure.

PRODUCTION

KORODUR Westphal Hartbeton GmbH & Co. KG, works Wattenscheid

Cert.: DIN EN ISO 9001:2000

PACKAGING/SUPPLY

25 kg special paper packaging

STORAGE

dry, like cement.

shelf-life approx. 6 months.

HINTS

These products contain cement and have an alkaline reaction with moisture/water. Therefore protect hands and eyes. In case of contact with eyes consult a doctor. Our recommendations for application techniques are based on our experiences. It is recommended to adapt processing and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery. Further literature, processing hints, tender texts and test certificates on the different KORODUR industrial flooring systems, KORODUR floor hardeners, KORODUR dry mortars and special products are available on request.

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