



# NEODUR USM 1 NEODUR USM 3 NEODUR USM 5

## underlay mortar NON-SHRINK

### DESCRIPTION

NEODUR USM 1, USM 3 and USM 5 are factory-produced, ready to use, non-shrink and high-early-strength underlay mortars for all kinds of underlay and assembly works.

### APPLICATION

NEODUR underlay mortars are used where non-shrink high-early-strength mortars are required, e. g. for stuffing of pumps, presses, turning lathes, precision machinery as well as for fixing of fire walls (in this case also suitable as masonry mortar) and for the assembly of precast concrete.

### PROPERTIES

- non-shrink (controlled volume increase)
- chloride-free
- water impervious
- frost and de-icer resistant
- corrosion impeding
- no de-mixing
- good bond to concrete and steel
- high early and final strength values

### TECHNICAL DATA

grain size / grouting height/width:  
USM 1 0 - 1 mm approx. 5 - 20 mm  
USM 3 0 - 3 mm approx. 10 - 50 mm  
USM 5 0 - 5 mm approx. 40 - 80 mm  
water addition per unit:

approx. 3 ltr  
yield per unit: ca. 12 – 13 ltr  
processing temperature: > 5°C  
swelling index: > 0,1 Vol. %  
compressive strength after  
24 hours: > 20 N/mm<sup>2</sup>  
compressive strength after  
28 days: > 60 N/mm<sup>2</sup>

### 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 stuffing mortar to be mixed as complete unit in pan typ mixer or using stirrer (approx. 400 rpm) with the indicated quantity of water for at least 3 minutes and processing. 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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