

Rapid Reprofiling Mortar

- **after 2 hours – resistant to load**
- **100 mm applicable in one working cycle**
- **fibre reinforced**
- **designed for use in manholes and sewers**

Product Description	VANDEX RAPID XL is a cementitious, ready-mixed, one component, fibre reinforced, rapid setting reprofiling mortar.
Areas of Application	VANDEX RAPID XL is a versatile repairing mortar for horizontal and vertical concrete surfaces.
Properties	VANDEX RAPID XL is a low shrinkage mortar. Due to being a fibre reinforced material it is substantially resistant to abrasion and capable to take strong mechanical wear. The material can be applied in great thickness. The setting process is accelerated. Resulting in VANDEX RAPID XL being resistant to load after 2 hours. VANDEX RAPID XL is resistant to domestic sewage.
Surface Preparation	The substrate to be treated must be sound and even, open-pored and its surface free from voids, large cracks or ridges. Bitumen, oil, grease, remains of paint, laitance and unsound concrete have to be removed by suitable means (e.g. water jetting, sand blasting). Thoroughly moisten the substrate, it must be damp but not wet at the time of application. Any surface water on horizontal surfaces must be removed.
Mixing	Mix 25 kg of VANDEX RAPID XL with 3–4 litres of clean water in a clean container for at least 3 minutes to a lump-free, homogeneous consistency. Use a mechanical mixer. If the mixture starts to set, do not add more water, restir to restore workability.
Application	Do not apply at temperatures below +5 °C or to a frozen substrate. VANDEX RAPID XL is applied by trowel in layer thickness up to 10 cm in one working cycle. For small areas such as coves or local repairs VANDEX RAPID XL may be applied in layer thicknesses up to 20 cm. Strike off after application and when following coats are to be applied slightly roughen the surface while still damp.
Curing	Keep damp and provide suitable protection against extreme weather conditions (e.g. rain, sun, wind, frost) while setting. Avoid contact with flowing water until 2 hours after application.
Consumption	20 kg VANDEX RAPID XL/m ² are required to produce a layer thickness of 10 mm.
Packaging	25 kg PE-lined paper bags.

Storage

When stored in a dry place in unopened, undamaged original packaging, shelf life is 6 months.

Technical Data

Aggregate state	powder
Colour	grey
Bulk density	approx. 1.5 kg/l
Setting time	approx. 30–60 min.
Compressive strength	1 h: 0.5 N/mm ² 3 h: 2.0 N/mm ² 1 day: 13.0 N/mm ² 28 days (stored in water): 50.0 N/mm ²
Bending tensile strength	28 days (stored in water): 8.5 N/mm ²
Adhesive strength	28 days: > 2.0 N/mm ²

All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.

Health and Safety

VANDEX RAPID XL contains cement.

Irritating to skin. Risk of serious damage to eyes. Keep out of reach of children. Do not breathe dust. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. For further information please refer to Material Safety Data Sheet.

The information contained herein is based on our long-term experience and the best of our knowledge. We can, however, make no guarantee since for a successful outcome, all circumstances in an individual case must be taken into consideration. Indications of quantities required are only averages which in certain cases might be greater.



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