

Protecting Drinking Water Reservoirs



Vandex[®]

DRINKING WATER

*Our most precious
resource*

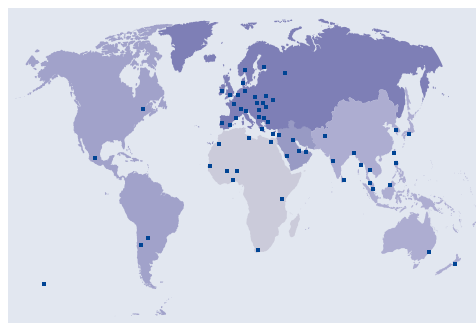


Water is the basis of all life for humans, plants and animals. It is essential for the survival of Man, and must therefore be protected from aggressive elements during treatment and storage.

Drinking water, our most precious resource

Vandex's world wide expertise guarantees good results.

Vandex tested and tried coatings protect drinking water



VANDEX SUPER
is the product to have 
«HOT» 60 °C classification.

**Approvals for drinking
water since 1965!**



All materials that come into direct contact with drinking water from source to consumer must meet high standards. As an internal coating of treatment and drinking water storage tanks, cement-based systems have a long track record from the hygienic, ecological and economic points of view. For many years, Vandex has been acknowledged as the leading supplier of innovative mineral products in the field of waterproofing and coating of drinking water tanks.

Vandex at work

Vandex products are easy to apply. The finished surface will fulfil the high standards for coating of drinking water tanks. Continuous quality control secure high and uniform quality, assuring products will perform in accordance with product literature if applied in accordance with this. Vandex's world wide expertise is available to users, designers and applicators through our network of exclusive distributors.



Substrate preparation



Spraying levelling mortar



Levelling



Spraying of sanitary coat



Placing screed



Mineralisation



High standards for coatings of drinking water tanks

Vandex expertise in the coating of drinking water tanks

The correct surface structure

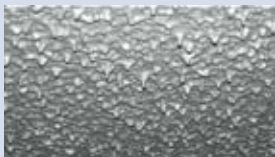
smooth
surface



sprayed
surface



thick spray
to soffit



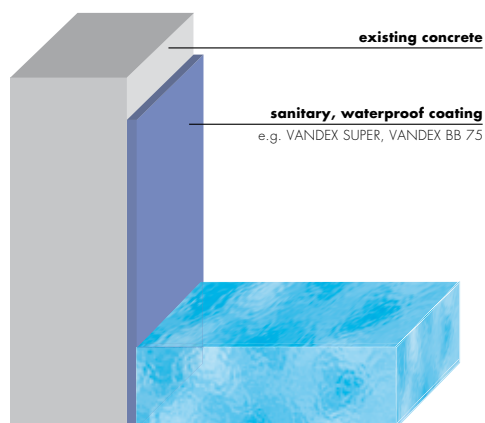
The coating of drinking water tanks must meet high hygienic standards, while at the same time protecting the structure of the tank. Additional requirements also have to be met, such as:

- waterproofing properties
- sealing of blow holes
- high resistance to leaching
- protection from infection
- resistant to attack from condensate
- smooth, easily-cleaned surface

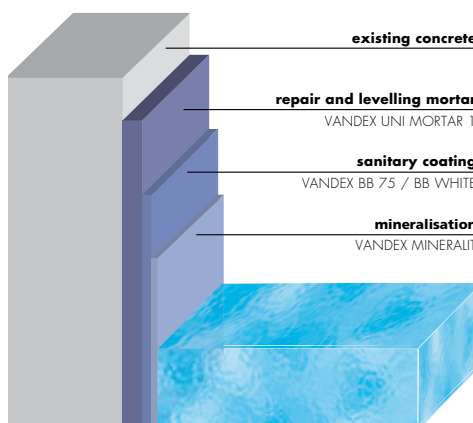
In the last 60 years Vandex has acquired a considerable amount of expertise in applying mineral based coatings in water tanks, and is today one of the leading companies in this sensitive and specialised field. Vandex offers a comprehensive range of mineral and polymer-modified products as well as the relevant consultation service for designers and applicators.

Specification always begin with „Water Analysis“

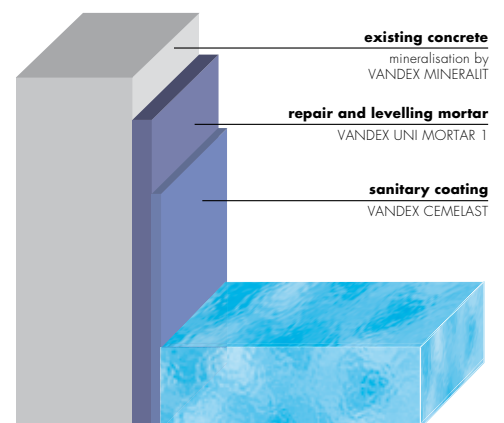
Typical system for new structures



Typical system for refurbishment of existing structures



Typical system for refurbishment of existing structures – aggressive water



SERVICE – QUALITY – ENVIRONMENT

Research and Development

Vandex is also the name of an organisation which through innovation, know-how, experience and strong motivation supports its products with appropriate services in the fields of research & development, testing and engineering thus adding significant value to the basic qualities and benefits of the Vandex products.



Technical Service

Vandex gives priority to responding to customer requirements concerning products or systems and to developing products and services which provide attractive customer benefits. Vandex's technical services for users, designers and applicators assure a high degree of customer satisfaction. Training and consulting is offered locally or at the head office.

Lab services

Our chemists and laboratories are also available to our customers for laboratory analyses and opinions.



Quality and Environment

The Vandex group is certified according to the ISO 9001:2008 „Quality management systems“ since 1994 and to the ISO 14001:2004 „Environmental management systems“ since 2004. This verifies that the Vandex companies meet the requirements of international quality and environmental standards.

Implementing the Vandex company policy pursues:

- a consistently high product quality
- innovative products responding to actual customer needs
- a service package which includes engineering consultation and application supervision of Vandex products
- compliance with legal requirements
- protection of the environment
- safety of all employees

Technical consulting

Vandex-trained engineers provide professional consulting services for designers and applicators.



VXIBDWE1110



CONCRETE PROTECTION AND WATERPROOFING

An **RPM** Company

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VANDEX PROTECTS DRINKING WATER

APPROVED AND TESTED PRODUCTS:
DRINKING WATER RESERVOIRS



*Drinking water,
our most precious
resource*



Vandex



Vandex approved products: drinking water reservoirs



Product name/ type of product			Approvals and tests			
			DWI / WRAS	DVGW / KTW	NSF	Others available
VANDEX	refer also to Technical Data Sheets	consumption				
Substrate hardening						
MINERALIT	substrate hardening agent	250 ml/m ²	✓	✓		
Repair and levelling mortar						
PLUG	cementitious waterproof plugging compound	approx. 200 g/100 cm ³	✓			✓
CORROSION PROTECTION M	corrosion protection for reinforcement steel	2–4 kg/m ²		✓		
UNI MORTAR 1	waterproofing and repairing mortar	12–24 kg/m ²	✓	✓		
CEMLINE MORTAR	repair mortar and inner coating for drinking water	12–24 kg/m ²		✓		
CEMLINE MG 4	fibre reinforced spray and repair mortar, 5–50 mm per layer	2 kg/m ² per 1 mm layer		✓		
CEMLINE MG 4 FF	high density reprofiling mortar, 10–30 mm per layer	2 kg/m ² per 1 mm layer		✓		
RAPID M	rapid waterproofing repair mortar, 1 hour	12–24 kg/m ²		✓		
UNI MORTAR 1 Z	waterproofing and repairing mortar, increased resistance	12–24 kg/m ²		✓	✓	
Sanitary coating						
SUPER	slurry in-depth waterproofing and protection, grey	1–1.5 kg/m ²	✓		✓	✓
SUPER WHITE	slurry in-depth waterproofing and protection, white	1–1.5 kg/m ²			✓	✓
BB 75	waterproofing slurry, grey	3–6 kg/m ²	✓	✓	✓	✓
CEMLINE TOP GREY/WHITE	final protective slurry for drinking water, grey/white	6–8 kg/m ²		✓		✓
CEMELAST	elasticized inner coating for drinking water, grey	4–6 kg/m ²		✓		✓
BB 75 Z	waterproofing slurry, grey, increased resistance	3–6 kg/m ²		✓		✓
BB WHITE	waterproofing slurry, white	6 kg/m ²		✓		✓
Surface hardening						
MINERALIT	surface hardening agent	250 ml/m ²	✓	✓		
Speciality products						
CONCRETE GREY	slurry in-depth waterproofing and protection, light grey	1–1.5 kg/m ²	✓			
CONSTRUCTION JOINT TAPE	waterproofing tape for construction joints and cracks	1.0 m tape 1.0 kg/m CEMELAST				✓
FLEXTAPE	high performance sealing tape for cracks and expansion joints	1.0 m tape		✓		
FLEXSEAL	multi-purpose sealant and adhesive, also used with tapes	300 ml per metre of FLEXTAPE		KTW		
BB 75 E Z	elasticized waterproofing slurry with crack bridging capacities	4–5 kg/m ²				✓
CEMELAST WHITE/BLUE	elasticized inner coating for drinking water, white/blue	4–6 kg/m ²		✓		

Note

NSF SUPER WHITE, BB 75, UNI MORTAR 1 Z when produced at Euclid Cleveland Plant
DVGW W270, W347 and some W300

The information contained herein is based on our longterm 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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An **RPM** Company



VXBWPLE0413