

PCC levelling compound

- uniform, smooth surface finish over concrete repairs and concrete surfaces
- 1 component
- excellent workability

Compressive strength	class R3 ≥ 25 MPa	CE 0761
Chloride ion content	$\leq 0.05\%$	
Adhesive bond	≥ 0.8 MPa	Vandex Isoliermittel-GmbH Industriestr. 19-23 DE-21493 Schwarzenbek 09 019 EN 1504-3:2005/ZA.1a PCC levelling compound for non-structural repair (based on hydraulic cement)
Carbonation resistance	passed	
Modulus of elasticity	≥ 20 GPa	
Thermal compatibility		
Part 1: Freeze thaw with de-icing salt immersion	≥ 0.8 MPa	
Capillary absorption	≤ 0.5 kg/m ² ·h ^{0.5}	
Reaction to fire	class E	
Dangerous substances	complies with 5.4	

PRODUCT DESCRIPTION

VANDEX LEVELLING COMPOUND LC is a cementitious, polymer modified, ready-mixed levelling compound.

AREAS OF APPLICATION

- provides a smooth and uniform surface
- filling of pores and blow holes
- scratch coat
- base coat for painting
- suited for repair of minor defects on concrete surfaces
- suitable for horizontal, vertical and overhead application

PROPERTIES

VANDEX CRS LEVELLING COMPOUND LC makes it possible to form over concrete repairs and concrete surfaces a uniform, smooth surface finish or substrate suitable for painting. VANDEX CRS LEVELLING COMPOUND LC can also be used for filling blowholes and repairing minor damage on concrete surfaces where no reinforcement corrosion is present.

SURFACE PREPARATION

Before applying VANDEX CRS LEVELLING COMPOUND LC onto VANDEX CRS REPAIR MORTAR 05 dampen the surface lightly.

For application onto concrete:

Remove all loose material, dust, oil, dirt, etc. Dampen the surface with clean water. The concrete must be damp and not wet at the time of application.

MIXING

Mechanically mix 25 kg VANDEX CRS LEVELLING COMPOUND LC with 4–5 litres of clean water (1 kg + 160–200 ml).

Restir briefly after a short standing time. Do not add more water.

APPLICATION

Using standard application techniques, apply VANDEX CRS LEVELLING COMPOUND LC onto a damp substrate. Depending on temperature, the pot-life is approximately 30 minutes. Restir repeatedly during use. If mix stiffens do not add more water. Do not apply at temperatures below +5 °C or to a frozen substrate.

CONSUMPTION

Approx. 1.8 kg/m² VANDEX CRS LEVELLING COMPOUND LC is required to produce a layer thickness of 1 mm. Layer thickness: 1–5 mm.

CURING

Keep damp for at least 5 days and provide suitable protection against extreme weather conditions (e.g. sun, wind, frost) while setting. The freshly treated surfaces should be protected from rain for a minimum period of 24 h.

PACKAGING

25 kg PE-lined paper bag

STORAGE

When stored in a dry place in unopened, undamaged original packaging, shelf life is 12 months.

HEALTH AND SAFETY

Please refer to Safety Data Sheet on www.vandex.com.

TECHNICAL DATA		
Appearance		grey powder
Colour (hardened)		cement grey VANDEX CRS LEVELLING COMPOUND is not a decorative material.
Density of wet mix	[kg/l]	approx. 2
Application time at 20 °C	[min.]	approx. 30
Curing time at 20 °C	[h]	4-6
Compressive strength 28 d	[MPa]	approx. 30
Bending tensile strength 28 d	[MPa]	approx. 6
Adhesive strength 28 d	[MPa]	approx. 1
Static modulus of elasticity 28 d	[GPa]	approx. 26
Futher data		cf. CE marking
All data is averaged from several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.		

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.



An **RPM** Company

HEAD OFFICE AND INTERNATIONAL SALES:

Vandex International Ltd

P.O. Box · CH-4501 Solothurn/Switzerland
+41 32 626 36 36 · info@vandex.com · www.vandex.com

PRODUCTION:

Vandex Isoliermittel-Gesellschaft m.b.H.

P.O. Box · D-21487 Schwarzenbek/Germany

