

## **Damp Proof Course for Existing Masonry**

- **barrier against rising damp in masonry of any kind**
- **specially for burnt clay or sand-lime brick masonry**
- **ready-to-use liquid for injection**

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<b>Material</b>	Ready-to-use liquid for injection into masonry to provide a barrier against rising damp.
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<b>Areas of Application</b>	<p>Masonry of any kind, especially burnt clay or sand-lime brick masonry, requiring a damp proof course (DPC).</p> <p>VANDEX DPC INJECTION NO. 2 is part of the VANDEX REFURBISHING OLD BUILDINGS SYSTEM which also covers internal and external waterproofing as well as measures to treat and contain the effects of damaging salts.</p>
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<b>Properties</b>	<p>Silicification of pore space by alkali silicates while the silicones contained in the product make the capillaries water-repellent, providing a long lasting barrier against rising damp.</p> <p>VANDEX DPC INJECTION NO. 2 acts in two different ways:</p> <ol style="list-style-type: none"><li>1. First it solidifies the pores and capillaries with alkali silicates and then,</li><li>2. it makes the capillaries water repellent by lining the pores and capillaries with silicones.</li></ol>
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<b>Surface Preparation</b>	<p>Holes should be drilled horizontally at a slight downward or upward slant, as required, at a spacing of 15 cm. The hole depth should be such that about 10 cm of wall thickness remains undrilled. The hole diameter is 14 mm. Once the holes have been thoroughly cleaned, insert Vandex injection nozzles of 13 mm diameter.</p> <p>Damaged masonry, hollow brick masonry or large voids in the masonry need to be filled first with a lime-cement mortar (P II) before applying VANDEX DPC INJECTION NO. 2. To fill voids, drill holes of 20 mm diameter and fill the voids with the aid of a mortar pump using a nozzle attachment of 18 mm outside diameter. The grouting should be such that 10 cm above and below the plane of the DPC, all cavities are filled with mortar. Next, redrill the injection holes.</p> <p>The filling of cavities is in some cases not necessary if the injection procedure safely achieves a thorough impregnation of the bricks in the area surrounding the hole.</p>
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**Application Method**

VANDEX DPC INJECTION NO. 2 is supplied ready-mixed for use to be placed through injection nozzles, using an injection pump. The material injected must be sufficient to saturate the pore space within a diameter of about 17 cm around each hole. This will assure the necessary blocking of the pore spaces and the water-repellent effect of VANDEX DPC INJECTION NO. 2 against capillary action.  
Upon completion remove the injection nozzles and fill the holes with VANDEX UNI MORTAR 1.

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**Consumption**

The rate of consumption depends upon porosity of the masonry, which may range between 8 and 16% of the masonry volume. Accordingly, the consumption ranges between 1 to 2 litre per 10 cm of wall thickness and 1 m of wall length.

The exact consumption has to be determined by a test.

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**Packaging**

30 litre containers.

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**Storage**

Store in a frost-free place. Shelf life in unopened, undamaged original packaging is 6 months.

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**Technical Data**

Appearance	clear light blue liquid
Density	approx. 1.14 kg/l
pH-value	approx. 13

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.

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**Health and Safety**

VANDEX DPC INJECTION NO. 2 is corrosive and causes burns. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. After contact with skin, wash immediately with plenty of water. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. Take off immediately all contaminated clothes. In case of accident or if you feel unwell seek medical advice immediately (show label where possible).

Shipping class: UN 1719  
ADR/RID: 8/42 b

For further information please refer to Material Safety Data Sheet.

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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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