

Elastic one-component sealant

- **multi-purpose sealant/adhesive**
- **adhesive for VANDEX EXPASEAL B PLUS**
- **bonding on damp substrates**
- **can be painted over**
- **high UV resistance**

Product Description	VANDEX UNIFLEX is a one-component adhesive and sealing compound based on MS-Hybrid-Polymer e.g. silan modified polymers (SMP).
Areas of Application	VANDEX UNIFLEX is suitable for the adhesion and sealing of all kinds of joints inside and outside of a building, windows, doors as well as applications involving timber and steel. It shows good adhesion to galvanized sheet metal, steel, stainless steel, aluminium, concrete, glass, wood, marble, PVC, brick, polyester, Plexiglas and polystyrene. VANDEX UNIFLEX is used as adhesive for VANDEX EXPASEAL B PLUS.
Properties	VANDEX UNIFLEX cures by reaction with humidity to an elastic sealant/adhesive. It bonds to damp substrates and has a high resistance against UV radiation. It can be painted over. Due to its good chemical resistance it is suitable for applications in chemically aggressive areas. The product is free of solvents, isocyanates and silicones.
Surface Preparation	The substrate must be clean and free from grease, oil etc. It must not contain bitumen or tar. The substrate may be slightly damp, but must not be saturated with water at the time of application.
Mixing	Ready to use
Application	<p><u>Sealing of joints</u> The edges of the joint are covered by masking tape. The sealant shall only adhere on two flanks. To avoid adherence on the third flank (bottom of the joint), a suitable backstop profile need to be applied.</p> <p>For the application a standard air or hand operated gun is used to fill the joint. The joint is then smoothed and the masking tapes removed.</p> <p>Filling depth: approx. 2/3 of the joint width.</p> <p><u>Adhesive for VANDEX EXPASEAL B PLUS</u> VANDEX EXPASEAL B PLUS is firmly pressed into the adhesive and left to harden for 12 hours before concrete is cast.</p> <p>Open packagings should be used as soon as possible. On coated surfaces and other substrates not mentioned trials for adhesion and compatibility are recommended, e.g. on PE or PP polymers. The film formation and curing times depend on humidity and temperature.</p>

Consumption

Sealing of joints

The theoretical consumption by volume is to be increased by 10–15% to compensate for uneven substrate.

Adhesive for VANDEX EXPASEAL B PLUS

One 600 ml sausage is enough for 15–20 meters of VANDEX EXPASEAL B PLUS.

Packaging

VANDEX UNIFLEX is supplied as ready-to-use 600 ml sausage (12 in a box)

Storage

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

Technical Data

Consistency	paste
Colour	grey
Density	1.4 ± 0.02 g/cm ³
Shore-A-hardness DIN 53505	approx. 50 ± 3
Elongation at rupture	450%
Tensile strength DIN 53504	> 8.0 N/mm ²
Curing rate	approx. 2.5 mm/24 h
In service temperature range	–40 to +90 °C
Application temperature	+5 °C to 40 °C (substrate)
Chemical resistance	good resistance against salts (e.g. sulphates, de-icing salts), aliphatic hydrocarbons, oils, greases, diluted acids and alkalis

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 UNIFLEX is irritant.

May cause sensitisation by skin contact. Keep out of reach of children. Avoid contact with skin. Wear suitable gloves. If swallowed, seek medical advice immediately and show the container or label. Dispose of this material and its container to hazardous or special waste collection point.

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.



CONCRETE PROTECTION AND WATERPROOFING

HEADOFFICE AND INTERNATIONAL SALES:
VANDEX INTERNATIONAL LTD
P.O. Box, CH-4501 Solothurn/Switzerland
Phone: +41 32 626 36 36, Fax +41 32 626 36 37
E-mail: info@vandex.com www.vandex.com

PRODUCTION AND SALES GERMANY/AUSTRIA:
VANDEX ISOLIERMITTEL-GESELLSCHAFT m.b.H.
Postfach 1406, D-21487 Schwarzenbek/Germany
Phone: +49 4151 89 15-0, Fax +49 4151 89 15 50
E-mail: info@vandex.de www.vandex.de

