

# Dictaflex Sealant PU

## Polyurethane Sealant

### Product Properties

- High strength performance with excellent elasticity and flexibility.
- Low VOC.
- Surface is able to be painted by most paints, after 1 day of application.
- Stable extrudability
- Fast cure.
- Non-sagging property.
- Non-staining to most substrate.

### Areas of Application

- Joint sealing for concrete, bricks and tiles
- Repairing of concrete cracks
- Perimeter sealing around door and window frames
- Wall joints, floor and pavement joints
- Bathroom and kitchen installation
- Other substrates including, concrete, masonry, wood and aluminum composite panel

### CLEANING PREPARATION

All substrates should be clean, sound, dry, dust, wax, oil and grease free. In most cases, no primer is required on most substrates. (Preliminary tests recommended). Any loose particles should be removed prior to application. If necessary, rub down metal surfaces beforehand. Clean the substrates after rubbing down. Allow the substrate to dry after cleaning / degreasing.

**Masonry/Brick/Concrete:** Any loose particles or laitance should be removed by hand or mechanical wire brush followed by blowing down with oil free compressed air. Use MC Bauchemie cementitious or epoxy mortars / coatings to repair any damaged joints.

**Metals:** Surfaces must be free of rust, scale or oxide films and should clean the substrate with, methyl ethyl ketone (MEK), acetone or grease remover. Apply MC primer if necessary.

Check the compatibility of the solvent used with the substrates. When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.

### APPLICATION INSTRUCTIONS

Apply at a minimum temperature of +5°C to +35°C Dictaflex Sealant PU can be applied by means of a hand or air operated cartridge or sausage gun. When tooling the Dictaflex Sealant PU ensure a concave finish.

(For easier use we recommend the material is stored between +10°C and <+30°C prior to use.)

Dictaflex Sealant PU Sausage 600ml - Place in applicator gun, then cut just behind the aluminium clip (removing clip) to open sealant in foil. Fit the application gun with a suitable nozzle that has been cut to deliver the right bead size. If primers are used on joints, (which is generally applied after backer rods are in place) must not exceeded the open time and it must be thoroughly dry, otherwise in conditions of rising temperatures trapped solvent can blow bubbles in the uncured sealant.

Some porous substrates must have their porous area surfaces thoroughly sealed to avoid the possibility of air bubbles being trapped in the uncured sealant if the substrate temperature rises quickly.

Extrude the Dictaflex Sealant PU into the joint ensuring that no air is trapped in the joint. Wide joints will require more than one pass of the application gun to make sure that sealant is in full contact with the sides and bottom of the joint.

Tooling-off the sealant will assist by forcing the sealant into the joint against its sides and back up material, this will also break any air bubbles and expose any air pockets. Finally tooling of the joint surface can be done effectively with a tooling of spatula.

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When masking tape is used for neatness make sure the tape is removed from sides of joints before the sealant starts to skin over or cures.

Always allow sufficient surface exposed to moisture. In conditions of low atmospheric humidity, it is advisable to spray the surface with a fine mist of water to promote early skinning once joint is finished.

#### PAINTABILITY

Dictaflex Sealant PU can be painted after fully cured. Paints and coatings containing solvents may cause the sealant to react and become tacky. Some coatings may crack or craze as a direct result of the environmental cyclical movement. It is always recommended to conduct field tests to ensure compatibility with the desired coating.

#### CLEAN UP

Clean up uncured sealant from tools after first scraping excess off with scraper then by rag or paper towel. Acetone can be used to remove thin film from tools, (if need). Cured material can only be removed by mechanical clean up.

#### STORAGE / SHELF LIFE.

Store sealant in original unopened sausage / cartridges in a dry location, temperature should not exceed 25°C for prolonged periods or lower than +5°C.

Technical Data for Dictaflex Sealant PU	
Appearance	Paste
Colour	Grey
Viscosity (cps/ 28± 2°C)	250,000 – 450,000 cps
Specific Gravity (28± 2°C)	1.40-1.50
Tack free time (28± 2°C)	30±15 minutes
Tensile strength (at maximum displacement)	7.5- 8.0 kgf/cm <sup>2</sup>
Tensile strength (at 50% displacement)	2.5- 3.0 kgf/cm <sup>2</sup>
Elongation at break	500-550%
Slump	0

Product Characteristics for Dictaflex Sealant PU	
Delivery	600ml sausage
Colour	Grey
Storage	Can be stored in cool and dry conditions for <b>12 months</b> in original unopened packs.
Disposal	In the interest of the environment, please empty all containers completely & in accordance with local regulations.

#### Safety Advice

Please take note of the safety information and advice given on the packaging labels and safety information sheets.

**Note:** Bespoke vendor supplies. The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to observe during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

**Edition 12/18.** Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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