

**Product Information:**

# Sealant Tape F600

**Permanently elastic, for construction joints****General description and application:**

Sealant Tape F600 is a pre-compressed sealant tape, which will expand up to five times, to form an effective seal, which is permanently elastic and with maintained breathing-capability.

The tape is suitable for joints around doors and windows, pipes and construction joints, indoor and outdoor.

The tape is based on special impregnated polyurethane foam, which secures permanent resistance to weather and driving rain.

The tape is self-adherent, easy to install and deliverable in several sizes for joints from 5 mm – 25 mm width.

F600 sealant tape can be used for joints in buildings up to 100 m in height.

A 10-year functional warranty is given, if applied according to our instructions.

For joints in coastal areas as well as for particularly weather-exposed joints, it is recommended to use BG1 sealant tape.



Member of  Danish Association of Sealant Applicators & Manufactures.

**Physical / chemical properties:****Sealant Tape:**

|                                                     |                  |                                                                  |
|-----------------------------------------------------|------------------|------------------------------------------------------------------|
| Material:                                           |                  | Polyurethane foam, impregnated with modified acrylic dispersion. |
| Test norm                                           | DIN 18542:2009   | BG1                                                              |
| Colour                                              |                  | Grey and black                                                   |
| Fire Retardant Class                                |                  | B1 (Heavily inflammable)                                         |
| Driving rain tightness                              | DIN EN 1027      | >= 600 Pa                                                        |
| Temperature resistance                              |                  | -30°C - + 100°C (short term +130°C)                              |
| Tensile Strength                                    | DIN EN 1798      | min. 100 kPa                                                     |
| Stretching                                          | DIN 53571        | min. 200 %                                                       |
| Water vapour diffusion                              | DIN EN ISO 12572 | $\mu < 10$ (when compressing to 20%)                             |
| Caloric conductivity                                | DIN 12 667       | $\lambda = 0,0429$ W/mK, MPA Hannover                            |
| Compatibility with conventional building materials: | DIN 18542        | Fulfil requirements.                                             |
| Long term resistance:                               |                  | 10 years function-guarantee (contact sales office for details).  |
| Shelf life                                          |                  | 24 months from production date.                                  |



**Directions for use:**

**Preparations:** To achieve optimum application time, the tape must be kept at room temperature for minimum one hour before application. The joint surfaces must be cleaned.

**Dimensioning:** Choose correct size of tape from the table:

| Joint width: | Joint depth, minimum: | Type:    | Black           |             |           | Grey            |             |           |
|--------------|-----------------------|----------|-----------------|-------------|-----------|-----------------|-------------|-----------|
|              |                       |          | Length pr. role | Qty pr. box | Item no.  | Length pr. role | Qty pr. box | Item no.  |
| 5 -12 mm     | 15 mm                 | 15/5-12  | 10 m            | 20          | 60115512  | 10 m            | 20          | 60015512  |
| 7 -15 mm     | 20 mm                 | 20/7-15  | 7,5 m           | 15          | 60120715  | 7,5 m           | 15          | 60020715  |
| 8 -20 mm     | 20 mm                 | 20/8-20  | 5 m             | 15          | 60120820  | 5 m             | 15          | 60020820  |
| 12 -25 mm    | 25 mm                 | 25/12-25 | 4,7 m           | 12          | 601251225 | 4,7 m           | 12          | 600251225 |

**Important:** Mounting must be done between two parallel and completely flat surfaces. When mounting up against metal, eg for windows with aluminum coverings, sealant tapes is selected with a depth of min. 20 mm and joint width are dimensioned in oversize. The sealant tape is mounted 3 – 5 mm retracted into the construction. – contact DANA technical service for advice.

It is not recommended to use sealant tape as a temporary seal / closure (1-step seal/closure) against wind and rain, as there is a great risk of a strong dampening of the sealant tape with a possible moisture damage as a result.

**Application:** Cut the first 2 cm of when you start using the tape and when you end, the last 2 cm shall also be cut off. The required length is cut off. Remember to add 1 - 3 cm pr. meter. Remove 20 - 30 cm of the protective paper and place the tape on one of the joint surfaces. The front of the tape is placed approx. 2 - 4 mm recessed from the edge. Press the tape with a filling knife, if there is not enough room for using the fingers. If the band does not adhere properly (due to moisture or dusty surfaces), the tape can be fixed with a wedge until it has expanded.

In crossing joints, the vertical tape must be complete. The horizontal tape is applied afterwards, pressing lightly against the vertical. In T-joints the first sealant tape to be applied should always be the through-going tape. At butt joints the tape is collected with light pressure. The tape must never overlap.

In corners the vertical tape is applied first.

Please note that bottom joints at windows can be non-suitable for sealant tape. The geometric profile of the window can make it impossible to place the tape correctly. When applying the tape, it must also be secured that rainwater is not lead directly into the tape.

When used at brick walls the joints must be filled, as the surfaces must be level.

**Expansion:** The expansion will start as soon as the role is opened. Depending on temperature, it will take from minutes to days. High temperatures will accelerate expansion. It is possible to heat the band carefully with a fan heater. The other way around, the application time can be extended if the tape is cooled.

**Health and safety:**

For further information on safety, refer to product safety data sheet.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

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