

**Product Information:**

# Danaflex Foam NBS 591

**Flexible PU foam. Applicable down to -5 °C, for NBS-gun**

**General description & application:**

*Danaflex Foam NBS 591 is specially developed for precision work in joints, and can be applied down to -5 °C. The NBS-application secures a controlled expansion, making it easier to apply the correct volume.*

*Danaflex Foam NBS 591 is a flexible PU foam which makes it especially suitable for installation of doors and windows, for insulation and sound dampening, between concrete elements etc. Obtains movements up to 25 %, Has a good elastic recovery which allows best possible movement accommodations without cracking.*

*Danaflex Foam NBS 591 bonds and insulate outstanding. The foam adheres to all common building materials (except for surfaces such as polyethylene, teflon, silicone and similar substrates).*

*It should be noted that PU-foam is not resistant to sunlight (UV-light) and therefore the foam has to be painted or covered.*



**Physical / chemical properties:**

**Uncured foam:**

Type: 1-component polyurethane foam  
 Shelf life: 12 months in unopened packing, if stored cool.  
 See production date on the can. The cans must always be stored in upright position.

Item.	Colour	Size
7647	Yellowbrown	750 ml can

**Cured foam:**

Paintable: Yes  
 Thermal conductivity: 0,033 W/m °C (DIN 52612)  
 Sound reduction index: 60 dB (EN ISO 10140)  
 Fire rating: B3 (DIN 4102-1)  
 Temperature: Cured foam resistant to temperatures from -40 °C to 90 °C



## Directions for use:

- Preparation:** *The surfaces must be free of oil, grease, dirt, dust etc. Always make sure that the surfaces are humid before application of the foam, as it only cures in the presence of moisture.*
- Application:** *Wear suitable gloves and use eye/face protection.  
Shake the NBS-gun with the can 20 times before use.*
- The spraying volume can be adjusted, using the controller on the NBS-gun. The joint should only be filled approx. 70%, because the foam expands more during the curing.*
- The foam can be kept on the NBS-gun all-day. Always dismantle an empty can. For longer breaks the NBS-gun should be cleaned with PU Cleaner 599.*
- Always empty the can completely before removing from the gun.*
- Application temperature:** *Air and surface temperature -5 °C to +35 °C. Can temperature minimum +5 °C.*
- Yield:** *The content of a 750 ml can provide up to 43 litres of foam (free expansion) under optimal conditions (FEICA TM 1003) or equivalent to approx. 15 meters of joint (30 x 50 mm).*
- The yield achieved will in practice vary according to the product's age, temperatures (materials, surroundings and foam), moisture (surfaces and surroundings) and dimensioning. The best result is achieved at 23 °C and min. 50% RH simultaneously with the addition of moisture from e.g. a water atomizer bottle along the way and directly on the materials.*
- Curing:** *Danaflex Foam NBS 591 is tack-free after 10 minutes, and can be cut after approx. 30-40 minutes, at 20 °C and 60 % RH.*
- Treatment:** *The foam must be protected against sunlight. After curing Danaflex Foam NBS 591 can be painted with most paints and lacquers.*
- Cleaning:** *The NBS-gun should be cleaned with PU Cleaner 599. It should be left inside the gun for approx. 1 – 2 minutes, before the gun is cleaned totally.  
Uncured foam can be removed with Pro Wipes 916, PU Cleaner 599 or acetone on a cloth.  
Cured foam can only be removed mechanically.*

## 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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