

Product Information:

NBS PU Precision Foam 593

All-round PU-foam - for NBS-gun**General description and application:**

NBS PU Precision Foam 593 is a professional 1-component polyurethane foam for NBS-gun application. The foam bonds and insulates excellent. The NBS-application secures a controlled expansion, making it easier to apply the correct volume.

NBS PU Precision Foam 593 is suitable for filling joints when mounting windows and doors, insulation, filling of smaller cavities, between prefabricated elements etc.

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 must be painted or covered.

**Physical / chemical properties:****Uncured foam:**

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

Packaging:

Item no.	Colour	Size
7615	Yellow-brown	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)
 Resistance: Cured foam is resistant to temperatures from -50 °C to 90 °C
 Cured foam must be protected from sunlight (UV).



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 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 is filled approx. 70% as the foam expands further during 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.*
- Always empty the can completely before removing from the gun.*
- Application temperature:** *5 °C to 40 °C. Ideal temperature is 20 °C.*
- Yield:** *The content of a 750 ml can provide up to 55 litres of foam (free expansion) under optimal conditions (FEICA TM 1003) or equivalent to approx. 45 meters of joint (20 x 30 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 20 °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:** *NBS PU Precision Foam 593 is tack-free after approx. 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 NBS PU Precision Foam 593 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, please 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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