

Product Information:

NBS Building Foam 581

Sealing foam with 0 % isocyanate, flexible and insulating**Product description & use:**

NBS Building Foam 581 is a new type of foam, free of isocyanates, and based upon the latest technology, which provides unique properties:

- ▶ 0 % isocyanate – does not require epoxy certificate
- ▶ Permanently more elastic than traditional foam for sealing
- ▶ Paintable

NBS Building Foam 581 demonstrates high insulation property, and bonds to most building materials.

Is used for sealing and insulation around window- and doorframes, pipe outlets, in cavities, between elements of walls and more.

The product is registered in the database for construction products that can be included in the Nordic Ecolabelled construction.

**Physical / chemical data:****Uncured foam:**

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

Packaging:

Item no.	Colour	Size
7638	White	500 ml can
76381	White	750 ml can

Cured foam:

Colour: White
 Paintable: Yes
 Thermal conductivity: 0,033 W/m °C (DIN 52612)
 Sound reduction index: 60 dB (EN ISO 10140)
 Density: 27 – 30 kg/m³
 Resistance: Can resist temperatures from -40 °C to +80 °C,
 Short term (max. 1 hour) up till +120 °C.
 Sunlight (UV): Should be protected against sunlight



Directions for use:

Preparation:

The surfaces must be free of oil, grease, dirt and dust etc. Always make sure that the surfaces are humid before application of the foam, as it only cures in the presence of moisture.

NBS Building Foam 581 bonds to most materials, except from polyethylene, silicone and similar smooth surfaces.

Application:

Wear suitable gloves and eye/face protection. Remove the top and mount the can in the NBS foam pistol. Shake the can 20 times before use. The can is shaken continuously during use. The spraying volume can be adjusted using the controller on the NBS-gun. The joint is filled approx. 70% as the foam will expand further during curing.

When used in bigger joints it is recommend applying water to the foam surface.

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.

Application temperature:

Air and surface temperature 5 °C to 30 °C. Ideal temperature is 20°C. Applies to both cans and surroundings.

Yield:

The contents of the can yields up to 8-10 litres of freely expanded foam for a 500 ml can and up to 16 – 20 litres for a 750 ml can.

Curing:

NBS Building Foam 581 is tack-free after 6 – 10 minutes and can be cut after 50 – 70 minutes, at 20 °C and 60 % RH.

Treatment:

The foam must be protected against sunlight. After curing NBS Building Foam 581 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 datasheet.

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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