

**Product Information:**

# PU Construction Foam 594

**All-round PU-foam – ready to use****General description and application:**

PU Construction Foam 594 is a 1-component polyurethane foam ready for use. Suitable for filling joints when mounting windows and doors, insulation, filling of smaller cavities.

PU Construction Foam 594 bonds and insulates excellent. The foam adheres to most building materials (except for surfaces such as polyethylene, teflon, silicone and similar repelling materials).

It should be noted that PU-foam is not resistant to sunlight (UV-light) and should always be protected / painted.

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

Type:

1-component polyurethane foam

Shelf life:

12 months in unopened packing, if stored cool.

See date of production on the can. **The cans must always be stored in upright position.**

Packaging:

| Item no. | Colour       | Size       |
|----------|--------------|------------|
| 7641     | 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:

Temperature: Resistant to temperatures from -50 °C to 90 °C

Sunlight: Must be protected from sunlight



## 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. Remove the cap and fit the valve grip with the mounted plastic tube. The can must always be used up-side-down (the valve grip downwards).*
- Shake the can 10 – 15 times before use.*
- The joint should only be filled 40 - 50 % as the foam expands further during curing.*
- In case the entire content is not used at one time, the plastic tube can be left on for a shorter period. Before the next application a couple of centimetres are cut off the plastic tube. If the can is unused for a longer period, the plastic tube should be dismantled, and the valve cleaned with PU Cleaner 599. However, we can not guarantee that the can can be used later, as air humidity can cause the foam to cure inside the valve.*
- Application temperature:** *5 °C to 30 °C. Ideal temperature is 20 °C.*
- Yield:** *The content of a 750 ml can provide up to 28 litres of foam (free expansion) under optimal conditions (FEICA TM 1003) or equivalent to approx. 30 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:** *PU Construction Foam 594 is tack-free after 8 - 12 minutes, and cuttable after approx. 45 minutes, at 20 °C and 60 % RH.*
- Treatment:** *The foam must be protected against sunlight. After curing PU Construction Foam 594 can be painted with most paints and lacquers.*
- Cleaning:** *Uncured foam can be removed with Pro Wipes 916 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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