PRONOVA®

ASSEMBLY FOAM
1K PU

PROPERTIES:

PRONOVA Assembly Foam is a moisture-curing, single-component polyurethane foam with excellent bonding on many construction materials. Good thermal insulation properties. Very good dimensional stability and resistance to ageing. For indoor and outdoor applications. After it has hardened, it can be plastered and painted over. Resistant to typical construction chemicals; rotproof, non-toxic and resistant to vermin.

AREAS OF APPLICATION:

Ideal for backfilling and for creating an insulating seal, e.g. when installing windows, filling around doors and roller shutter boxes, filling breakthroughs in walls and other cavities and around pipes and electrical installations. Not suitable for rapid installation of door frames and windows unless additional mechanical fixings are used. If door frames and windows need to be installed rapidly, we recommend using PRONOVA Quick Foam 2K PU.

PRODUCT ADVANTAGES:

- Wide range of bonding applications
- For universal use
- Sound and heat insulating
- Resistant to chemicals
- High foam yield
- Ageing-resistant

TECHNICAL INFORMATION:

Raw material base:	Polyurethane
Cell structure:	Fine
Bulk density:	Approx. 21 to 22 kg/m^3
Temperature resistance:	-40 °C to +80 °C (up to 100 °C for short periods)
Application temperature:	+5 °C to 25 °C
Tack free:	Approx. 10 to 15 minutes [1]
Can be cut:	Approx. 40 to 50 minutes (20 mm bead size) [1]
Foam yield:	500 ml = approx. 25 litres, free foamed 750 ml = approx. 40 litres, free foamed
Curing time:	Full strength after approx. 24 hours [1]
Standards and tests:	DIN EN 15501-1: E: normal flammability DIN 4102-1: B2

[1] Depends on the temperature and air humidity. Data determined at +23 °C, 50 % relative air humidity; according to FEICA test methods & EN DIN 17333.

PREPARATION OF SUBSTRATE:

Substrates must be solid, clean, and free of dust and grease. Adheres poorly or not at all to silicone, grease, polyethylene, mould release agents or similar adhesion-inhibiting substances. Use water (applied with a spray bottle, for example) to moisten the bonding surfaces before applying the foam and to moisten the applied foam to ensure uniform hardening.

PROCESSING AND APPLICATION:

Prepare all the building components properly ready for fixing. Make sure you have some PRONOVA Foam Cleaner to hand ready for cleaning and removing any fresh foam residues. The ideal working temperature is +20 °C. If the cans are too cold, warm them carefully in lukewarm water. Never heat to above +50 °C, or the can may burst. If the cans have overheated, e.g. in a vehicle in summer, cool them carefully in cold water and do not shake the cans!

Screw the adapter tube onto the valve as far as it will go (taking care not to operate the valve). Shake the can about 20 to 30 times. Hold the can with the valve pointing downwards. Regulate the flow of foam by applying light lateral pressure to the valve lever. Use sparingly, since an increase in volume of up to 150 % may occur before full hardening. Overfilling can result in subsequent expansion pressure. Apply the foam in stages if layers thicker or wider than 50 mm are required. Allow each layer to harden before applying the next.

CLEANING:

Remove any fresh foam spots or residues immediately with PRONOVA Foam Cleaner. Once the foam has hardened, it can only be removed mechanically.

STORAGE:

Store in cool, dry, frost-free conditions. If stored properly in its unopened original container, PRONOVA Assembly Foam has a shelf life of up to 15 months. The date of manufacture is printed on the container.

DISPOSAL:

Observe the local regulations when disposing of waste material. Completely empty cans can be disposed of via the PDR recycling system.

IMPORTANT INFORMATION:

Never keep or transport the cans in the interior of a vehicle! Transport the cans only in the boot of the vehicle and ensure that the cans stand vertically and are secured in place! Protect the can from direct sunlight! Wear suitable protective clothing (protective gloves/goggles) when applying the product. Due to the variety of materials that could be processed and since we have no influence over the storage or application conditions, we cannot guarantee the results in individual cases. Since there is a very large number of possible applications, carry out your own tests to ensure material compatibility, if in doubt.

Before applying the product, read the safety instructions on the can and the details in the safety data sheet. The safety data sheet can be found at **www.pronova-dichtstoffe.de**.

PACKAGING:

Package:	500-ml can 750-ml can
Packaging:	12 pieces/box
Colour:	Light beige

PRONOVA DICHTSTOFFE GMBH & CO. KG
Rudolf-Diesel-Strasse 12 • 55543 Bad Kreuznach • Germany
Telephone +49 671 920015-0 • Fax +49 671 920015 5020
info@pronova-dichtstoffe.de • www.pronova-dichtstoffe.de