PRONOVA®

X POWER ULTRA FLEX

PROPERTIES:

PRONOVA X POWER Ultra Flex is a single-component hybrid bonding and sealing compound that has maximum flexibility and is made of silane terminated polymers, for stress-free, permanently-elastic bonding and jointing. Free of acids, alkaline solutions, solvents, silicone and isocyanates. Low-emission and odour free. Excellent bonding on both absorbent and non-absorbent surfaces, and even on damp, uneven or rough substrates. Can be used without a primer on glass, anodised aluminium, galvanised steel sheets, rigid PVC and polystyrene. Once it has fully hardened, it can be painted over with standard paints and varnishes.

AREAS OF APPLICATION:

Ideal for permanently-elastic bonding of all materials, indoors and outdoors [1]. Very well suited for the vibration and footfall sound damping bonding of building components. For use in interior finishing (laminate bonding, skirtings etc.), the construction of stairs and windows, metal construction and roofing work. For sealing joints in indoor areas and for filling holes and cracks.

PRODUCT ADVANTAGES:

- Ultra Flex: Permanently elastic
- For smooth and absorbent materials
- Vibration damping
- Also for damp substrates
- High initial adhesion and final strength
- Neutral-curing
- Can be painted over or coated
- UV and weather resistant

TECHNICAL INFORMATION:

Raw material base:	Silane terminated polymers, neutral cure
Shore A hardness:	Approx. 60 (±3)
Density:	Approx. 1.55 g/cm³ (±0.03)
Temperature resistance:	-60 °C to +80 °C
Application temperature:	+5 °C to +40 °C
Initial adhesive strength (vertical):	180 kg/m² maximum
Curing time:	1 week maximum [2]
Tensile strength:	Approx. 2.8 N/mm²
Elongation at break	Approx. 300 %
Standards and tests:	EN 15651-1: F-INT Elastic adhesive compound in accordance with DIN EN 26927

[1] Observe the "Important information" section!

[2] Depends on the temperature and air humidity (data determined at 20 °C/60 % rh).

PREPARATION OF SUBSTRATE:

Substrates and bonding surfaces must be solid, clean and free of dust, oil and grease. Professional tip: Pre-treat very absorbent or porous substrates with a suitable primer (e.g. PRONOVA Joint Primer).

PROCESSING AND APPLICATION:

Cut open the cartridge above the screw thread. Cut off the end of the clip nozzle at an angle according to the desired joint width and screw the nozzle into place.

Bonding: Apply dots or lines of PRONOVA X POWER Ultra Flex on only one of the surfaces to be bonded. Ensure that the lines of adhesive do not run into each other. When bonding surfaces, apply the adhesive using a notched spreader, for example. Immediately join and adjust the materials to be bonded (corrections are possible for a short time). Then press the surfaces together evenly. If necessary, fix them together mechanically until the adhesive has completely hardened.

Sealing and jointing: Deep joints (> 25 mm) should first be filled with foam backing material (e.g. PRONOVA PE Backer Rod) or with PU foam (e.g. PRONOVA 1C PUR Installation Foam). Always smooth the joint using a suitable tool (e.g. PRONOVA Joint Champion) and, if necessary, a smoothing agent (e.g. PRONOVA Joint Finish) before a skin starts to form.

CLEANING:

Fresh residues and spots of PRONOVA X POWER Ultra Flex can be removed with solvent-based cleaning agents (e.g. PRONOVA Silicone Remover). These can also be used to remove grease from the surfaces to be bonded. The same applies for cleaning the tools.

Hardened residues and adhesive can only be removed mechanically, using a suitable cutting tool (e.g. PRONOVA Joint Sealant Removal Tool).

STORAGE:

Store in cool, dry, frost-free conditions. If stored properly in its unopened original container, PRONOVA X POWER Ultra Flex has a shelf life of up to 18 months. Observe the shelf life date on the cartridge.

DISPOSAL:

Only send completely empty packaging for recycling. The hardened product can be disposed of as household waste/household-type commercial waste. Observe the local regulations when disposing of waste.

IMPORTANT INFORMATION:

The polymerisation process relies on the moisture in the air. Ensure that there is an adequate supply of air to all the bonded areas, so that the material can cure completely. Low temperatures and/or wet substrates can result in longer hardening times. Not suitable for natural stone, bitumen, Teflon®, PE, PP, soft PVC, copper, brass, acrylic glass or aquariums. Since there is a very large number of possible applications, carry out your own tests to ensure material compatibility, if in doubt. If necessary, read the manufacturer's instructions for the material or coating.

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

PACKAGING:

Package:	450 g cartridge
Packaging:	6 pieces/box
Colour:	White

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