

TECHNICAL DATA SHEET

DanBond P15 Expanding PU

DanBond P15 is a fast curing, easy to use structural 2-part polyurethane adhesive which slightly expands 10-20% ideal for all sorts of assembly jobs. DanBond P15 cures by a chemical reaction of the two components forming a durable polymer resistant to elevated temperature, moisture and many solvents and chemicals.

DanBond P15 is specially designed for small, quick and repair jobs. The use of DanBond P15 yields a fast turnaround due to early sanding and painting capability. DanBond P15 shows good sag resistance properties, allowing vertical application and offers excellent gap filling properties. It bonds on a wide range of substrates such as: Plasterboard, Concrete, Stone, Ceramics, Marble and Wood.

The DanBond P15 can be used outdoor and indoor.

TECHNICAL DATA:

Nominal Components Properties:

	PRODUCT A	PRODUCT B
Chemical base	Reactive Isocyanate Prepolymer	Reactive Polyol Mixture
Colour	Brown	White
Specific Gravity [g/cm³]	1,20	1,12
Viscosity [cps or mPas]	22.000	22.000
Appearance	Sag Resistant Paste	Sag Resistant Paste

Typical Cure Characteristics:

Working Time	@ 23° C [sec]	35
Sanding Time	@ 23° C [min]	5
Clamp Time	@ 23° C [min]	3

Typical properties of Cured Adhesive:

Shore D Hardness	EN ISO 868 @ 23° C	70
Tensile Strength	EN ISO 527 @ 23° C [MPa]	20
Young's Modulus	EN ISO 527 @ 23° C [MPa]	350
Elongation at Break	EN ISO 527 @ 23° C [%]	15

USE INSTRUCTIONS:

DanBond P15 adhesive system has been designed for ease of dispensing with both hand-held manual and pneumatic applicator tools. To assure an on ratio dispense we recommend levelling the pistons by placing the opened cartridge in the dispenser and purge till material starts to flow from both cartridge chambers prior to attaching the mixer. After attaching the mixer tip (we recommend to only use the mixer tips included in the package; additional mixer tips can be ordered from DANLUBE A/S) and loading the cartridge into the dispense tool, pull the trigger at a constant and steady rate to force both prepolymer and curative through the mixer tip. It is recommended to dispose the first 25 to 30 mm of dispensed material as it may be off-ratio. Sufficiently mixed on-ratio adhesive has a uniform white colour, is creamy, smooth and glossy. The mixer time is 50% of the open time.

After having finished dispensing, leave the mixer in place till DanBond P15 shall be used again. The remainder of the adhesive will have a shelf life of several weeks if stored properly. To start using DanBond P15 again, remove the static mixer and dispose of properly. Carefully clean the cartridge nozzle, the products in the two chambers must be cleanly separated. If there is any black-tan mixing on either side dispense some product out of the openings with no mixer tip attached, until only single component product appears in each chamber. Finally attach a new mixer and start dispensing.

SAFETY NOTE:

Please observe the information provided with the Material Safety Data Sheet.

MSDSs are provided to you under DANLUBE A/S policy of communicating to our customer health, safety and environmental information for safe handling, use and disposal of our products. This information must be made available to health and safety personnel within your organization and to all employees who come in contact with these products.

RECOMMENDED WORKING TEMPERATURE: Between 15 – 25 °C

STORAGE: Unopened containers stored at a dry place indoors at 15 – 32 °C

SHELF LIFE: 18 Months in the originally sealed cartridge

PACKAGING: DanBond P15 Expanding PU is packed in 50ml side-by-side cartridges for use with a hand-held dispensing tool