



Probond F51

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Moisture Curing, Foaming Polyurethane Adhesive

PRODUCT DESCRIPTION

Admil's **Probond F51** is a high strength, single component, Polyurethane Pre-Polymer adhesive that cures to form a high strength bond with a thin glue line.

Probond F51 reacts with moisture in the atmosphere and is ideal for bonding porous materials such as timber, hard wood, melamine, plasterboard, cement sheeting and polystyrene/EPS foam.

If both materials being bonded are non-porous, such as metal, **Probond F51** will not cure as it requires moisture to create the curing reaction. However, if bonding non-porous to porous materials, **Probond F51** will draw moisture for the curing reaction from the porous substrate.

ADVANTAGES

Probond F51 is a fast reacting thixotropic paste that is suitable for bonding a wide variety of materials.

- **Low odour**
- **High Strength**
- **Single component**
- **Non Flammable**
- **Fast set time**

APPLICATIONS

PROBOND F51 is suitable for use on joinery, furniture construction, general building works, shop fitting, motor body building and assembly applications.

LIMITATIONS

Probond F51 is not recommended for use:

- As a joint sealant
- In applications with a gap of more than 0.5mm
- Where at least one of the substrates is not porous.
- Where moisture is not present as it will only cure when exposed to moisture.

TYPICAL PROPERTIES

PROPERTY	VALUE
Curing Method	Moisture Curing
Specific Gravity (22°C)	1.10 g/ml (+/- 0.02)
Viscosity (Brookfield @ 22°C)	1,000,000 m.Pas (+/- 200,000)
Flask Point	> 200°C
Appearance	White Thixotropic Paste
Free NCO	10.0% (+/- 0.5%)

SURFACE PREPARATION

All surfaces must be clean, dry, sound, and free from dust, oil, rust, or any other contamination.

Metals should be abraded / sanded then cleaned with a non-oily solvent soaked clean cloth. Solvent should be wiped from the surface with a clean dry cloth. Use an alcohol based solvent such as methylated spirits or IPA.

APPLICATION INSTRUCTIONS

Cut nozzle at a sharp angle and extrude onto substrates to be bonded. For larger surface areas, apply the adhesive in a wave or zigzag pattern and then bring materials together immediately.

Probond F51 will expand as it cures when it is in contact with moisture both in the atmosphere and in the substrates, which therefore means that substrates should be clamped until cured to ensure the desired bond line thickness.

Materials that will be suspended should be supported by a temporary nail, screw or clamp for at least 24 hours or until **Probond F51** has fully cured.



Probond F51 Technical Data Sheet

PACKAGING

Admil's Probond F51 is available in 300ml Cartridges

COLOURS

White

STORAGE

12 months from date of manufacture if stored below 28°C

HEALTH AND SAFETY

This product emits Methyl Ethyl Ketoxime whilst curing, which is hazardous. Use in well-ventilated areas, and avoid breathing vapors.

Contact with uncured product will irritate eyes. In case of eye contact immediately flush with Water for 15 minutes and seek medical advice. Avoid contact with skin or clothing.

Keep out of reach of children

Admil Probond F51 MSDS available upon request

Notice

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product (s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.