

TECHNICAL DATA SHEET (TDS)

A30 ACRYLIC MONTAGE ADHESIVE

1 – DESCRIPTION

Demsun A30 is a water-based adhesive used for bonding numerous building materials. It is particularly suitable for DIY users due to solvent-free content and high bonding strength.

2 – PROPERTIES

- Acrylic dispersion based
- Good gap-filling capacity on rough surfaces
- Suitable for both indoor and outdoor applications
- Weatherproof
- Over paintable
- Low odour
- Solvent-free

3 - APPLICATIONS

- Bonding materials such as wood, non-polished stones, concrete, plaster, tiles, panels, synthetic building materials etc.
- Mounting wooden construction elements, wood and plaster panels, plaster ornaments.
- Mounting decorative wooden trimmings
- Repairing cracks in plaster.
- Quick repairs on walls and plaster.

Suitable surfaces: MDF, Particleboard, Wood, Polystyrene foam, Concrete, Masonry, Tile, Ceramic, Stone, Plasterboard

4 - INSTRUCTIONS

The substrates must be dry, clean, free of dust and grease. One of the surfaces must be porous to provide a faster curing rate. Application temperature must be between +5 °C and +35 °C. Apply the adhesive to the edges and corners of the materials to be bonded. Press the materials together and fix properly. The materials can still be shifted for any adjustment immediately after the bonding. It may be required to provide support during setting. As long as the adhesive has not fully cured it must be protected against moisture or rain. The excessive adhesive can be cleaned with water if it has not cured.

5- PACKAGING

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Product	Volume/Weight	Package
310 (Cartridge)	310ml	24
310 (Plastic Tube)	250gr	36

6- STORAGE AND SHELF LIFE

15 months in unopened cartridge if stored under dry and cool conditions.

7- SAFETY

- Not suitable for areas which are constantly exposed to water.
- The curing process may be retarded when both surfaces in contact are porous.
- The pressure applied in the beginning is critical to final bonding strength.
- Akfix Flexi-Nail can be painted over with a dispersion-based paint.

Avoid contact with eyes. Keep non-cured adhesive away from children.

8- TECHNICAL PROPERTIES

Basis	: Acrylic dispersion
Density	: $1.40 \pm 0.03 \text{ gr/cm}^3$ (ASTM D 1875)
Tack-Free Time	: 30-40 minutes (at 25 °C and %50 R.H.) (ASTM C 679)
Curing Rate	: 1-2 mm/day (at 25 °C and %50 R.H.)
Temperature Resistance	: -10°C to +80°C
Application Temperature	: +5°C to +40°C
Maximum Shear Strength (beech-beech)	
After 6 hours	: > 40 kgf/cm ²
After 24 hours	: > 70 kgf/cm ²