SPC

INDUSTRIAL POLYURETHANE ADHESIVES

TECHNICAL DATA SHEET

Controlled public edition · 05 Nov 2026

MPU-20
Single-Component Paper Honeycomb Panel Adhesive

PRODUCT DESCRIPTION

Supplier-line, single-component moisture-curing polyurethane adhesive for paper honeycomb and composite-panel lamination.

APPROVED APPLICATION SCOPE

Paper honeycomb with metal, inorganic board, wood or decorative panel facings. Moisture content, porosity and facing flatness must be validated by trial.

TECHNICAL DATA

Property	NC-verified value
Components	Single component; moisture curing
Appearance	Brown viscous liquid
Specific gravity	1.15 ± 0.05
Viscosity	8000–9000 mPa·s; adjustable
Solid content	94%
Surface dry	≤ 1 hour
Cure time	4–8 hours; adjustable
Paper-honeycomb coating weight	160–200 g/m²
Metal-to-metal bond strength	≥ 15 MPa

DIRECTIONS FOR USE

- Keep the core and facings clean, dry, flat and free of release agents.
- Use as supplied and coat uniformly at 160–200 g/m² unless the production trial establishes a safer setting.
- Assemble within the working window and cold-press with even contact across the panel.
- Confirm core crush resistance, coating weight, press pressure and cure time on the real panel construction.

STORAGE & PACKAGING

Store sealed in a cool, dry place. Typical packaging: 25 kg plastic drum or 200 kg iron drum.

CONTROL NOTE Paper honeycomb uses a higher supplier-confirmed coating range than the 120–160 g/m² general MPU-20 range.

SAFETY & LIMITATION

For professional or industrial use only. Read the current Safety Data Sheet before handling. Wear suitable gloves and eye protection, ventilate the work area and keep containers closed. This TDS provides guidelines, not a production specification. The purchaser must validate suitability, process settings and finished-product performance under actual operating conditions.