

Technical Data Sheet

HR GLUE

PVC & PVA Adhesive



Product Description

HR GLUE is a high-quality adhesive formulated for bonding wood, paper, PVC, and other porous and non-porous materials. Combining PVA (Polyvinyl Acetate) and PVC adhesive properties, it delivers strong, durable, and quick-setting bonds for a wide range of industrial, carpentry, and craft applications.

Features & Benefits

- **Strong Bonding:** Excellent adhesion on wood, paper, cardboard, and PVC surfaces.
- **Water-Based & Safe:** Non-toxic and easy to clean before drying.
- **Quick Setting:** Reduces assembly time.
- **Flexible Film:** Dries clear, flexible, and durable.
- **Versatile Application:** Suitable for furniture, crafts, laminates, and general purpose bonding.
- **Easy to Use:** Can be applied by brush, roller, or manual spreading.

Recommended Uses

- Woodworking and carpentry projects.
- Paper, cardboard, and laminates.
- PVC and plastic materials bonding (non-structural).
- Craft, DIY, and industrial applications requiring strong adhesive properties.



Technical Properties

Property	Typical Value
Composition	PVA & PVC-based adhesive
Appearance	White liquid (dries transparent)
Density	1.05 – 1.15 g/cm ³
pH	4.5 – 6.0
Viscosity	2000–4000 cP (approx.)
Solids Content	45–50%
Drying Time	20–60 minutes (depending on substrate)
Full Cure	24 hours
Shelf Life	12 months (unopened, cool dry place)



Surface Preparation

- Surfaces should be clean, dry, and free from dust, grease, or loose material.
- Porous surfaces may require light sanding to enhance adhesion.
- Non-porous surfaces (PVC, plastics) should be wiped clean with a suitable solvent or alcohol.

Application Instructions

Method:

- Apply adhesive evenly on one or both surfaces as required.
- Press the surfaces together firmly.
- Clamp or hold in position until initial setting occurs.

Thinning:

- HR GLUE is ready to use; do not dilute.

Environmental Conditions:

- Use at temperature 15°C – 35°C.
- Avoid high humidity or wet conditions during bonding

Drying Times

Stage	Time
Initial Set	20–60 minutes
Handling Time	1–2 hours
Full Cure	24 hours (depending on substrate and conditions)

Safety & Handling

- Non-toxic and safe for general use.
- Avoid prolonged contact with skin and eyes.
- Wash hands after use.
- Keep out of reach of children.
- In case of eye contact, rinse immediately with water.



Warranty & Disclaimer

Performance may vary depending on materials, surface preparation, and environmental conditions. Conduct a small test before full application. Information is based on manufacturer's tests and knowledge.

