

CPS-LiPP80B Waterborne Transparent Adhesive for Crafts & DIY

Crafts · DIY · Metal Foils (Al/Cu, etc.) · Acrylic · Paper | Waterborne Adhesion

Category	Recommended Range	Remarks
pH	Approx. 6.5–7.0	Slightly acidic range
Solids Content	Approx. 18%	Approx. 82% aqueous medium
Appearance	Transparent aqueous solution	Based on a single-phase aqueous system
Application	Brush · Roller	Uniform application recommended

1. Product Overview

CPS-LiPP80B is a Li-PAA-based waterborne adhesive produced by neutralizing high-molecular-weight PAA with LiOH. It is designed for transparent bonding of various substrates, including metal foils, acrylic, and paper, in workshop, craft, and DIY applications. Water is used as the primary medium, and the product is formulated for uniform application by brush or roller.

2. Key Features

Feature	Description
Waterborne	Adhesive system using water as the primary medium, designed to reduce the burden associated with organic-solvent use
Transparent Bond Line	Designed to form a visually unobtrusive, transparent adhesive layer when applied thinly and dried
High-Molecular-Weight PAA Binding	Utilizes carboxyl-group-based interfacial interactions and the binding characteristics of high-molecular-weight PAA

3. Recommended Applications

Application Area	Target Substrate	Recommended Use
Metal Foil Crafts	Al foil · Cu foil · Metal foil	Thin-film bonding; decorative and craft assembly
Acrylic Crafts	Clear/general acrylic substrates	Transparent bonding; small objects and POP displays
Paper & Fiber Crafts	Paper · Hanji materials	Craft assembly and bonding of dissimilar substrates
DIY & Model Making	Craft substrates such as acrylic	Small models and display fabrication

4. Directions for Use

- Remove dust, contaminants, oil, and grease from the bonding surfaces before use.
- Apply a thin, uniform layer to one surface using a brush or roller.
- When bonding two non-absorbent substrates, allowing an open time after application to partially evaporate water before pressing may improve initial drying.
- Wettability and adhesion may vary depending on the surface treatment or coating of the substrate. Pre-evaluation on the actual substrate is recommended.

5. Handling, Storage & Precautions

- Keep the container tightly sealed. Store away from direct sunlight and high temperatures, and protect from freezing.
- Close the container immediately after use to prevent water evaporation and surface drying.
- The properties stated in this document are representative values. Final specifications may be established after quality evaluation.