

Elastic adhesive for cold bookbinding and casing-in

# UZIN B-5

Water dispersion adhesive for cold bookbinding and casing-in

## Applications:

Industrial use adhesive for bookbinding and casing-in for books, magazines, catalogs, note-blocks, tickets etc. It dries fast, does not shrink after polymerization and it becomes transparent when cured.

Suitable for / on:

- ▶ Every paper type
- ▶ All types of carton and its derivatives
- ▶ Several types of absorbent textiles e.g. cotton, wool, baize etc.

## Product properties / advantages:

Water dispersion adhesive of vinyl acetate with plasticizers but with high content of active solids. It dries fast, does not shrink and it becomes transparent when dries. Suitable for manual application.

- ▶ High elasticity
- ▶ Fast and reliable adhesion
- ▶ High cohesion
- ▶ Wide range of applications

## Technical Data:

Packaging:	PE container
Sizing:	5kg and 30kg
Hazard:	-
Active solids:	52.5±1%
Color:	Milky/Transparent
Specific Gravity:	1,07kg/l (DIN EN ISO 3251)
Application Temperature:	min 0°C (ASTM 2354)
Consumption:	Depends on application method
Viscosity:	4.800 – 5.200 mPas
Mean Particle Diameter:	Approx. 0,2 µm
pH:	3.5 - 4.0 (DIN/ISO 2555)
Storage:	Min. 6 months at cold and dry place ~20°C
Cleaning:	Wet film: cold water Dry film: hot water and/or detergent Stains/Pillages: UZIN OFFSET 395

\* At 20 °C and R.H.65%.

# UZIN B-5

## Substrate preparation:

The bonding surfaces must be dry, clean and free from dust and other substances that could impair adhesion. Study carefully technical data and safety data sheets of UZIN Hellas products.

## Application:

1. Place the container of adhesive indoor and let it be acclimatized, for 1-2 hours.
2. Ambient temperature and humidity must be in permissible limits. Ideal temperature conditions of application ranging by 18°C to 25°C. Do not apply adhesive at temperatures below 5°C and relative humidity greater than 60%.
3. Stir well the adhesive prior to application in order to homogenize well.
4. Manual application: Apply the adhesive evenly on the surfaces to be bonded with a brush or roller.
5. *Any dilution of the adhesive results in physical changes of the adhesion behavior: drying time, final adhesion strength, viscosity etc.* Even though in case of dilution: use clean water to a maximum percentage 10% w/w. Always use a different clean container for the dilution and never use the initial adhesive container. Caution! Water contains microorganisms, thus in a long stay in the container they are incubated and affecting biologically the adhesive, resulting to mold, or other unpleasant odors.
6. Always close tightly lids of the containers in order to prevent of moisture loss and infections.
7. Clean tools and residues while still fresh. After hardening, residues could be removed by special solvent UZIN OFFSET 395.

## Consumption:

Consumption estimation
120 - 200gr/m <sup>2</sup> Depending on each substrate absorption

## Important Notes:

- ▶ Shelf life minimum 6 months when stored in a cool dry place in original packaging. Protect from frost and heat. Opened containers must be used quickly.
- ▶ Always carry out preliminary tests with all materials together, due to seldom discoloration phenomena of adhesion application onto unstable ink/varnish substrates.

## Protection of the workplace and the environment:

Solvent-free. The use of skin protection lotion is always recommended. Store out of reach from children. In the event of contact with the eyes or skin, rinse thoroughly and immediately with water. Information for persons with allergies is available at +30 210 7793777 (Greece).

## Disposal:

Collect product residues wherever possible and reuse. Do not allow to enter the sewer system, bodies of water or the soil. Plastic containers emptied or scraped clean and no longer dripping from any residues can be recycled. Containers with liquid residues as well as collected liquid product residues are special waste. Containers with cured residues are construction / domestic waste.