TECHNICAL DATA SHEET

Adhesive for paper lamination

UZIN KM 396

Water dispersion adhesive for paper/carton lamination

Applications:

Industrial use adhesive for bonding paper, carton or its derivatives to corrugated carton manufacturing. Special suitable for boxes intended to come into contact with food e.g. cooked food transport boxes, sweets and ice serving discs etc.

Suitable for / on:

- Every paper type with or without printing
- Several types of cartons and its derivatives

Product properties / advantages:

Water dispersion adhesive, mixture of aqueous dispersion of acrylic resin polymers, with high content to active solids. Dries fast and develops high strength at early drying stages. Suitable for machinery with low to medium operating speed applying adhesive by linear or total surface spread.

- Economic
- Easy spreadable
- Fast drying
- High shear strength

Technical Data:

Packaging:	PE container, tank
Sizing:	30kg and 1000kg
Hazard:	-
Active solids:	32.5±1.5%
Color:	Milky/Transparent
Specific Gravity:	1,06kg/l
Application Temperature:	min 10°C (ASTM 2354)
Consumption:	Depends on application method
Viscosity:	1.950 - 2.750 mPas
Mean Particle Diameter:	Approx. 0,2 μm
pH:	6.0 - 6.5
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%.

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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 indoors and let it be acclimatized, for 1-2 hours.
2. Ambient temperature and humidity must be within permissible limits. Ideal temperature conditions of application ranging from 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. Keep always clean of the feeder bowl.
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 of 10% w/w. Always use a different clean container for the dilution and never use the initial adhesive container. Caution! Water contains Dilution 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 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
60-90 gr/m^2 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:

P101 If medical advice is needed, have a product container or label at hand. P102 Keep out of reach of children. P501 Dispose of the contents/containers in accordance with the current legislation on waste treatment.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. EUH210 Safety data sheet available on request.

Maximum V.O.C. content: 53,44 g/L (20 ºC).

Information for persons with allergies is available at +30 210 7793777 (Greece).

Disposal:

Collect product residues wherever possible and reuse. Do not allow the sewer system, bodies of water or the soil to enter. 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.