

## ADECON K 450 INDUSTRY

### MONOCOMPONENT VINYL ADHESIVE SPECIFICALLY FOR THE WOOD INDUSTRY

Water-based dispersion of modified polyvinyl acetate polymer, stabilised with polyvinyl alcohol. D3 water-resistant (EN 204: 2016; 205:2016). Suitable for industrial manufacturing of pre-fabricated floors, windows, doors and furniture.

#### TECHNICAL CHARACTERISTICS:

- Water-based monocomponent
- Solvent-free
- Class D4 when special hardener added
- **Ideal for making pre-finished floors**

#### SPECIFIC CHARACTERISTICS (normal conditions):

Appearance:	White viscous liquid
Brookfield viscosity at 20 °C (mPa*s):	12000 - 18000
Yield: (g/m <sup>2</sup> ):	150 +/- 10 double application.
Moisture content of wood (%):	8 - 10
Open time (minutes at 20 °C):	5
Solid content (%):	51 - 53
Density at 20 °C (kg/l):	0.95 – 1.15
pH at 20 °C:	2.5 – 3.5
Minimum film-forming temperature ( °C):	~ 5
Particle diameter (µm):	1.0 - 3.0
Mechanical stability:	Excellent
Rheological behaviour:	Pseudoplastic
Class D4:	To further improve bonding, chemical/physical properties and resistance to humidity, CATALIZZATORE PER K450 can be added and mixed into the product, adding 4 – 6% of weight. Adding this will ensure adhesion compliant with D4-EN 204 specifications.
Storage: temperature between +5 °C and +25 °C	6 months The product must be stored in reinforced polyester or steel containers at a temperature between +5 °C and +30 °C.
Disposal information:	Dispose of in compliance with the local and national regulations in force
Packaging:	10-kg tubs 25-kg containers 120-kg drums 1000-kg plastic containers Loose in tank trucks
Usage limitations:	Do not apply in damp environments. Frost sensitive. Allow the product to reach 20 °C before applying. Always use suitable personal protective equipment Always consult the technical and safety information sheets

#### SURFACE PREPARATION:

Always check moisture content using the correct equipment. The surface must be stable and brought to the appropriate temperature before bonding. The surface must be absorbent and not too smooth so that the glue is not prevented from penetrating the base.

#### APPLICATION:

Use at temperatures between +15 and +25 °C. The materials being bonded must also reach the recommended temperatures (+15 / +25 °C). In the case of temperatures lower than +15 °C, modify the processing procedures (e.g. increase the fitting/pressing times, increase storage times of bonded materials) until you achieve the optimum results to meet your standards. It is always advisable for storage areas to have a temperature greater than 15 °C and relative humidity of 50%.

Pressing times should be assessed by operators on the basis of temperature and the type of materials used (absorption level etc.). On difficult and poorly absorbent bases (e.g. polished, planed and/or chemically treated materials), carry out appropriate preventive tests.

ADECON K450 can also be used with hot presses. Recommended temperature 60-70 °C; max. 80 °C.

Always consult the technical and safety data sheets.

#### HAZARD PICTOGRAMS:

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