



Water-based adhesive

Technology

Main characteristics :

- Single-component adhesive from animal protein
- Ready to use on wood surfaces : oak wood, Douglas pin, plywood
- Moisture resistant: consistent with green wood surfaces
- Adhesive performances competitives with fossil based glues

	Modulus (Mpa)	Tensile strenght (Mpa)	Elongation (%)
Vinyl glue	63,6	6,1	21
Epoxy glue	61,8	5,1	16
Kitty adhesive	63,8	3,9	13

Combined shear and tension experiments - according to NF T76-107 standard on plywood

This yellow polymere provides promising adhesive properties. Furthermore a loading with dyes and stabilizers is possible.



Benefits

- Agro-based odorless glue, with no volatile organic compounds
- Non flammable
- Transportation : package in powder or diluted in aquaous solution

Applications

- A non-toxic and water washable glue consistent with use by or in the vicinity of children
- Application with : brush, spatula, cartridge



Keywords

- Cold-sealing
- Protein base
- V.O.C. free
- Low energy-process



Intellectual Property

Patent filed in June 2013.



Development Status

Technology available at laboratory scale. Samples can be provided for tests.



Partnership

We are looking for an adhesive producer or a distributor

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