



EAGLE CHEMICALSTM
RENEWS YOUR YOUTH LIKE THE EAGLE



H-EAGLE (180/50) 50% is an aqueous vinyl acetate homopolymer dispersion, characterized by the presence of an internal coalescing agent to reduce the minimum film forming temperature (MFFT). Its main use is in the preparation of **D2-class adhesive for hard wood**.

APPLICATIONS

- Fast-setting wood glues.
- Joinery corpus laminations of wooden furniture, as it has an excellent tensile strength and adhesion power higher than the strength of the wood itself.
- Ready to use adhesive without any further modifications.
- Paper, cardboard and book binding adhesives.
- Veneering and lamination adhesives on different wooden substrates.

CHARACTERISTICS

- D2-class adhesive with excellent bond strength on hard non-porous wood.
- Good water resistance.
- Has a neutral pH value with medium open-time drying conditions.

PROPERTIES

Technology	Polyvinylacetate homopolymer
Product Type	D2-class adhesive
Base	Dispersion polymer; APEO & low formaldehyde content
Condition	Water-based dispersion
Components	One-component
Appearance	Milky white

TECHNICAL DATA

1- Supply specifications

Test	Unit	Value	Deviation	Method
Solids content	%	50	±1.0	DIN 53 189/ISO 1625
Viscosity	mPa.s	18000	±6000	ISO 2555; 23 °C Brookfield RVT, sp 6, rpm 20 min ⁻¹
Density	g/cm ³	1.08	±0.02	ISO 8962
pH		7.0	±1.0	DIN 53 785 / ISO 1148

2- Film appearance

Test	Unit	Value
Minimum film forming temperature	°C	Approx. 3
Particle size	µm	0.3 – 3.0
Film appearance		Slightly opaque, tack-free film

3- Physico-mechanical values

Test	H-EAGLE(180/50) 50%	Competitor
Water resistance(1)	++	+
Product whiteness in can	White	Slightly yellowish
Thermal stability(2)	OK	Slightly yellowish
Adhesive strength, N/mm ²	10	8

(1) ++ very good & + good water resistance with accordance to D2- class adhesive.

(2) Thermal stability test was carried out at 65°C for 3 days.

