



H.B. Fuller

Rakoll 
Woodworking Adhesives

WOODWORKING

Rakoll® 4933

Water-Based Adhesives for Clean Air Environment



H.B. Fuller wants to go a step further in sustainability, by offering customers the assurance of strong and reliable adhesives that also contribute to lowering hazardous emissions. The certification of manufactured wood panels is becoming stricter in the last years concerning the release of volatiles, and particularly the release of formaldehyde, since this substance has been classified as more hazardous than it was before. Rakoll® 4933 has been developed to allow our customers the toughest panel classification standards, while keeping the strong bonds of Rakoll PVAc adhesives.

PRODUCT ADVANTAGES

- No formaldehyde content in the formulation
- No formaldehyde released during the adhesive setting due to chemical reactions. Adhesive does not add formaldehyde to the total wood panel release of that substance.
- Low Volatile Organic Compound (VOC) release evaluated according to AgBB and GEV (Eimicode)
- Lower machine corrosion than ordinary D3 adhesives due to lower acidic characteristic (higher pH)
- Better product stability, considering also one year shelf life
- High Initial strength and fast setting for better quality of the final product, with less defects
- Less discolouration than typical D3 adhesives

TYPICAL APPLICATIONS

- Flat lamination of decorative paper, foil and veneer
- Flat lamination of HPL and CPL

MARKETS

- Door production
- Parquet flooring
- Furniture components



Environmental Recommendation

As indicated in the MSDS, this product cannot be disposed directly in the sewers. Even though the product has a more environmental-friendly formulation, there are many chemicals in a PVAc dispersion that cannot be considered to have a neutral impact in the environment.



Certificates

- Durability Class: D3, EN 204:2016-08 (ift Rosenheim)
- Tensile Strength: WATT' 91, EN 14257:2016
- Volatiles emission:
 - Fulfils requirements of DIBt/AgBB-scheme from building products 2015/ LCI list 2015
 - GEV requirements (Emicode) EC 1plus

ABOUT H.B. FULLER

Since 1887, H.B. Fuller has been a leading global adhesives provider focusing on perfecting adhesives, sealants and other specialty chemical products to improve products and lives. H.B. Fuller's commitment to innovation brings together people, products and processes that answer and solve some of the world's biggest challenges. Our reliable, responsive service creates lasting, rewarding connections with customers in electronics, disposable hygiene, medical, transportation, aerospace, clean energy, packaging, construction, woodworking, general industries and other consumer businesses. And, our promise to our people connects them with opportunities to innovate and thrive.



For more information, visit www.hbfuller.com/wood-adhesives.



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IMPORTANT: It is the user's responsibility to test and determine the suitability of a product for the user's intended use. Any product samples provided for testing are provided in accordance with standard limited warranties as stated on our technical data sheets, and the H.B. Fuller General Terms and Conditions of Sale apply. All other terms are rejected. Rakoll® is a trademark of H.B. Fuller Company ("H.B. Fuller") or an affiliated company of H.B. Fuller, and is registered in France, Germany and other countries.