



H.B. Fuller

**Rakoll**   
Woodworking Adhesives

WOOD AND COMPOSITES

# High Gloss Lamination



H.B. Fuller has developed a unique reactive hot melt technology for high gloss lamination. **Rakoll® 3404UV** is a one-component polyurethane reactive hot melt adhesive that delivers great performance under typical testing.

## TYPICAL APPLICATIONS

- Decorative vinyl foils
- High Gloss and Supermatte laminations
- High memory laminations (HPL/Veneer)
- Suitable for PET to melamine laminations

## OUR APPLICATIONS CENTER

- High gloss laminator in our technical center, St. Paul, MN.
  - Capable to benchmark adhesives or run small trials.
  - To schedule a visit, contact us at
    - <https://www.hbfuller.com/en/north-america/about-us/contact-us>
    - email us at [inquiry@hbfuller.com](mailto:inquiry@hbfuller.com)
    - or call us at 833-672-1482
- We will help you select the right adhesive and your application equipment.

## FEATURES AND BENEFITS

- Fast setting
- Higher initial green strength and cross-linked strength
- No off-gassing between impervious substrates
- Great high gloss Optics
- Passes E84 testing with Fire Rated substrates



## High Gloss Lamination:

To achieve a perfect high gloss lamination substrates need to be thoroughly cleaned. It is recommended that a dedicated line is used for this process.

Adhesive selection is equally important. **Rakoll® 3404UV** provides the strong immediate bond and does not lose its strength after full cure. It is formulated to prevent orange peel effect.

**Rakoll® 3404UV** is a Universal Flat Lamination Reactive Hot Melt. It is suitable for bonding vinyl, PET, high gloss foils, HPL to particle board, MDF, melamine, plywood, and plastic composites.



## TYPICAL PROPERTIES

Properties	Rakoll® 3404UV
<b>Color</b>	Off-white
<b>Density</b>	1.13 g/cm <sup>3</sup>
<b>Open Time</b>	2 min
<b>Application Temperature</b>	250-285 °F
<b>Shelf Life</b>	9 months

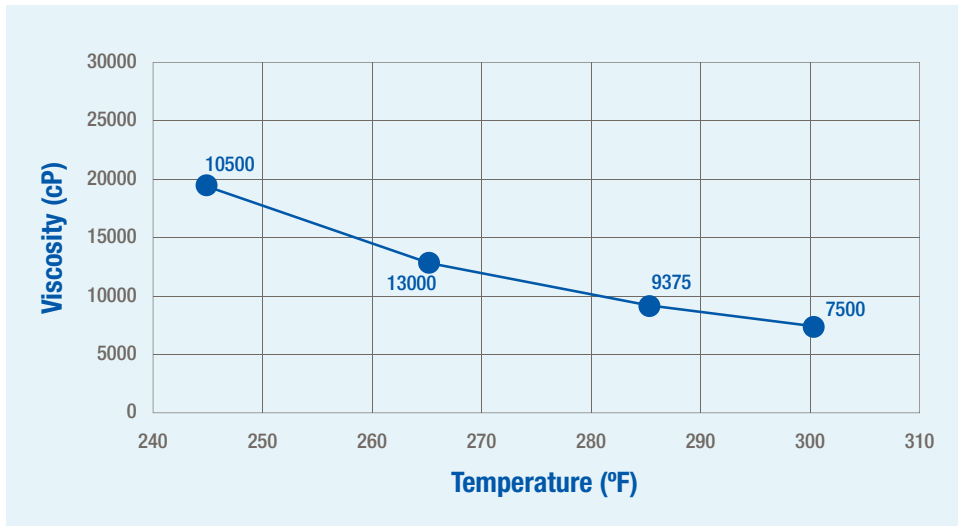
## STORAGE AND SHELF LIFE

To ensure maximum stability, product should be stored in the original closed container in a clean and dry interior location capable of maintaining a constant temperature between 50 °F and 90 °F

## HEALTH AND SAFETY

Use only in equipment intended for reactive hot melts. Use with local exhaust ventilation to remove vapors anywhere heated product is exposed to air including adhesive un-loaders, pre-melters, and application areas. Local exhaust ventilation may be required to maintain exposures at safe levels. See Safety Data Sheet (SDS) for additional safety and handling information.

## VISCOSITY CURVE



## ABOUT H.B. FULLER COMPANY

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, health and beauty, 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](http://www.hbfuller.com/wood-adhesives)

 Join the Conversation | [www.hbfuller.com/connect](http://www.hbfuller.com/connect)

IMPORTANT: The information contained herein is believed to be correct to the best of our knowledge. However the recommendations and suggestions herein are made without guarantee or representation as to results. It is the purchaser's responsibility to test and determine the suitability of the product for the purchaser's intended use and purpose. Purchaser assumes all risk and liability whatsoever regarding such suitability. Any product samples provided for testing are provided in accordance with standard limited warranties as stated on our technical data sheets.

Rakoll® is a trademark of H.B. Fuller Company ("H.B. Fuller") or an affiliated company of H.B. Fuller, and is registered in the U.S. and other countries.