



■ BASF

We create chemistry

JONCRYL® U 4501

Polyurethane Dispersion for High-End Wood Applications

Features

- Self-crosslinking
- Excellent compatibility with acrylic dispersions
- Enables simplified formulations
- Low VOC and solvent demand
- NMP and TEA-free

Benefits

- Excellent grain enhancement
- Exceptional scratch, abrasion, and wear resistance
- Very good water and block resistance, final hardness, and dry time when blended with WB acrylic dispersions
- Good chemical resistance



A perfect blend partner for the JONCRYL 953X Phoenix Platform of waterborne acrylic dispersions

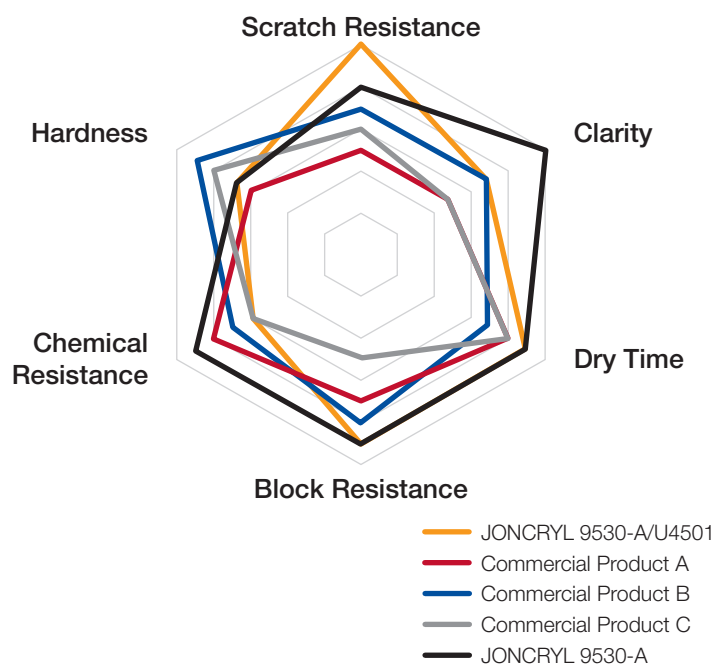
JONCRYL U 4501

Polyurethane Dispersion for High-End Wood Applications

Unmatched protection of wood surfaces made simple

JONCRYL U 4501 is a new self-crosslinking, aliphatic polyurethane dispersion designed for use in wood topcoats. The dispersion is characterized by its final hardness and exceptional scratch resistance. The dispersion is free of both triethylamine and NMP. Additionally, the low minimum film forming temperature and low solvent demand allows formulators to achieve low VOC coatings. With its broad compatibility with acrylics, JONCRYL U 4501 can be blended easily with waterborne acrylic resins, such as JONCRYL 9530-A, to achieve higher levels of scratch, mar, and abrasion resistance. To achieve superior durability without compromising the natural beauty of wood, choose JONCRYL U 4501 for your furniture and flooring formulations.

Competitive Benchmarking: WB Acrylic Topcoats (outermost ring = top performance)



Physical Properties

Appearance	Translucent dispersion
Solids content	36-38%
Viscosity at 23° C	<200 mPa·s
pH	7.5 – 8.5
MFFT	Approx. 13°C
Solvent	None

Application Areas:

- Wood flooring, including sports flooring
- Medium to premium quality wood furniture

By blending JONCRYL U 4501 with JONCRYL 9530-A, formulators can achieve exceptional scratch resistance, while maintaining great final hardness, block resistance, and dry time. Contact us for detailed test results.

Contacts

Please contact our technical service department for more help on formulating with products from the JONCRYL Line.

North America
USA
Phone: +1 800 231-7868
www.basf.us/dpsolutions

Europe, Africa, West Asia
The Netherlands
Phone: +31 513 619-619
resins@basf.com

Asia
China
Phone: +852 2731-0111
dispersions-pigments-asia@basf.com

South America
Brazil
Phone: +55 11 2039-2300
packaging-sa@basf.com

BASF SE, 67056 Ludwigshafen, Germany

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed. (01/2018)

© = Registered trademark of the BASF Group