

Aqueous polyurethane dispersion

## Technical Data Sheet

Revision Date: 2017-12-23

NO. WHSM\_4211

Name: Lacper<sup>®</sup> 4211

Version: 1.1

### Product Description

**Lacper<sup>®</sup> 4211** is an aliphatic polyurethane dispersion. It's alkyl phenyl ethoxylate free, solvent free and tin free. Could be used for clear and pigmented wood coating both for interior and exterior. It's approx. 40% in water, neutralized with approx. <1% triethylamine. Biocide: CMIT/MIT 3:1 12ppm, and MIT 100ppm.

### Properties

1. Excellent blocking resistance
2. Flexibility
3. Good compatibility with acrylic emulsion
4. Good building up

### Characteristic data\*

Property	Value	Unit	Method
Appearance	Translucent to milky white		
Weight Solids	39-41	wt%	WHPU/T011-571-2017
pH	7.0-9.0		GB 6920-1986
MFFT	47	°C	GB/T 9267-2008
Viscosity	10-200	mPa·s	GB/T 2794-2013

\*Property values represent typical results only and are not to be considered as specifications, subject to specific COA

### Storage

The product should be stored in dry conditions above 5°C and below 35°C with the integrity of the packaging, and prevent direct sunlight. The validity of this product is for 6 months, performance assessment is recommended before use after more than 6 months. The product should be protected from freezing during storage. After opening the packing, suggested to use up one time. Well filtration before using is necessary as normal water based binder.

**Disclaimer:** Wanhua Chemical Group Co., LTD. recommends that any customers of this material should check with Materials Safety Data Sheet (MSDS) for details about safely

# Lacper<sup>®</sup> 4211



handling this material. We also suggest that you contact the suppliers of any other materials used in our recommended formulations and suggestions for appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner. **This is a trial product. Further information may be compiled in the future. Commercialization and continued supply of this material are not assured.**