

Acrylic copolymer emulsion

## Technical Data Sheet

Name: Lacper<sup>®</sup> 4701  
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### Product Description

Lacper<sup>®</sup> 4701 is a hydroxy acrylic copolymer emulsion. It is designed for Water base 2K industry coatings. With water dispersible isocyanate, it exhibits excellent film clarity and chemical resistance, meanwhile it has fast film hardness development speed and high film hardness. It contains no APEO, formaldehyde and its derivative. Biocide: CMIT/MIT 3:1 10ppm, and MIT 200ppm.

### Properties

1. Good compatibility with water dispersible isocyanate.
2. Fast film hardness development speed, high film hardness.
3. Good compatibility with PUD/PUA.
4. Excellent chemical resistance.

### Characteristic data\*

Property	Value	Unit	Method
<b>Appearance</b>	Translucent to milky white		
<b>Weight Solids</b>	42-44	wt%	WHPU/T011-571-2017 ( 5cm,150°C,20min )
<b>pH</b>	7.0-9.0		GB 6920-1986
<b>MFFT</b>	46	°C	GB/T 9267-2008
<b>Viscosity</b>	10-1000	mPa·s	GB/T2794-2013(Brookfield LV,62#/30rpm) , 25°C
<b>OH (Based on solid)</b>	~1.6	%	

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

### Storage

# Lacper<sup>®</sup> 4701



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 12 months, performance assessment is recommended before use after more than 12 months storage. 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 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.**