

Hydroxyfunctional polyacrylic dispersion

## Technical Data Sheet

Name: Antkote 2042  
Revision Date: 2021-07-01

NO.WHSM\_2042  
Version: 1.5

### Product Description

Antkote 2042 is a hydroxyfunctional polyacrylic dispersion designed for vehicle, machinery and anticorrosion coating. In combination with polyisocyanates or other crosslinkers, it can be used for two-component coating. It also can be used for one component baking coating with amino resins or blocked polyisocyanates. Approx. 46% in water/solvent naphtha 100/1-butoxy-2-propanol, approx. 44:4:4. Neutralizing agent, N,N-dimethyl ethanolamine(<2wt%), bound as a salt.

### Properties

1. High gloss, gloss (60°) > 92%.
2. Excellent resistance to chemicals and salt spray.
3. Good weather resistance.
4. High hardness, hardness (combination with polyisocyanates) 2H.

### Characteristic data\*

Property	Value	Unit	Method
Appearance	Milky white liquid		
Weight Solids	46±1	%	WHPU/T011-571-2017
pH	7.0-9.0		GB 6920-1986
Viscosity	50-2500	mPa·s	Brookfield, LV, 63#, 30rpm, 25°C
OH content	4.2	%	Calculated on solid resin
Density	1.06	g/cm <sup>3</sup>	GB/T 4472-2011

\*These properties are typical but do not constitute specifications.

### 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 12 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.

# Antkote 2042



The viscosity of the product is largely governed by the pH. As the pH may decrease during storage, a decrease in viscosity is also to be expected. The viscosity can be adjusted to its original value by the addition of small amounts of an aqueous 10% solution of N,N-dimethyl ethanolamine.

**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.