

Aqueous Polyurethane Dispersion

## Technical Data Sheet

Name: Adwel 1520  
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NO. WHSM\_1520  
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### Product Description

Adwel 1520 is an aqueous anionic aliphatic polyurethane dispersion. With low heat activated temperature, it can be used in many industries, such as auto interior, 3D lamination, footwear, electronic, etc. Its bonding strength, heat resistance and hydrolysis resistance can be enhanced by adding an appropriate amount of water dispersible polyisocyanate hardener (such as Aquolin 166) or latent-reactive isocyanate. Solvent: <1% acetone. It's APEO, organotin and organic amine neutralizing agent free. Biocide: CMIT/MIT 3:1 14ppm, MBIT 200ppm.

### Characteristic data\*

Property	Value	Unit	Method
Appearance	Milky white liquid		
Weight Solids	49-51	%	WHPU/T011-571-2017 (5cm,150°C,20min)
pH	6.0-9.0		GB 8325-87
Viscosity	500-2000	mPa·s	GB/T 2794-2022 (Brookfield,RV,4#,20rpm)
Density	1.02-1.09	g/cm <sup>3</sup>	GB/T4472-2011

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

### Storage

The validity of this product is for 6 months, and performance should be assessed if the product has been out of shelf life. The product should be stored above 5°C and below 30°C. Temperatures below 5°C will result in viscosity rising or irreversibly damaged. Prolonged storage at higher temperatures may affect the product properties and possibly result in sedimentation or coagulation. The product should be protected from direct sunlight with the integrity of the packaging, to prevent evaporation of water and the formation of films on the surface. Films or lumps can form during storage and transport of the product due to its film forming nature. A filtration process is necessary before further application.

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