

## **SiwoPUD-<sup>®</sup>2451**

**Characteristics:** Aqueous, aliphatic polyurethane dispersion based on polycarbonate diol.

**Supplied as:** 50% in water

<b>Physical characteristics:</b>	Appearance	Translucence-white
	Non-volatile constituent	50 ± 1 %
	PH value	7.0 - 9.5
	Viscosity	≤ 1000 mPa · s
	NMP, NEP, DMAC	Free
	Elongation	650%
	Tensile strength	35.5 Mpa
	100% Modulus	3.3 Mpa
	Shear stability	good
	Dry	Fast
	Yellowing resistance	non- yellowing

**Storage:** The dispersion should be stored in a frost-free place in tightly sealed containers. It contains no preservative.

**Application:** Its film has excellent water resistance, wear resistance, UV resistance, and weather resistance. Its coating has a very good fullness and thickness. Suitable for elastic construction coatings, rubber coatings, leather coatings, fabric printing, and other applications.

It does not contain organotin compounds, heavy metals, formaldehyde, etc. It can be added aziridine crosslinker and water-dispersible polyisocyanate crosslinker to further improve its performance.

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