

## SiwoPUD<sup>®</sup>-1209

**Characteristics:** Aqueous, aliphatic polyurethane dispersion based on polyester.

**Supplied as:** 33% in water

<b>Physical characteristics:</b>	Appearance	Translucence
	Non-volatile constituent	33 ±1 %
	PH value	7.5 ±9.0
	Viscosity	≤50 mPa s
	Mean particle size	≤100 nm
	NMP, NEP, DMAC	Free
	Glass transition temperature Tg	-15°C
	Elongation	500-600%
	Tensile strength	11.2 Mpa
	100%Modulus	2.5 Mpa
	Freeze/thaw stability	5 cycles
	Shear stability	good
	Dry/touch	≤30min
	Dry/through	≤60min
	Yellowing resistance	non- yellowing

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

**Application:** The coating film is clear and smooth. It has medium hardness, excellent water resistance, excellent abrasion performance. It can be used for Ink, water-based varnish, paper, etc. It does not contain organotin compounds, heavy metals, formaldehyde, etc.

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