

SiwoPUD[®] - 916

Characteristics: Aqueous, aliphatic polyurethane dispersion based on polycarbonate.

Supplied as: 35% in water

Physical characteristics:	Appearance	Translucence
	Non-volatile constituent	35 ±1 %
	PH value	7.0 - 9.5
	Viscosity	≤200 mPa s
	Mean particle size	≤100 nm
	Organic solvent	7%
	Glass transition temperature Tg	-25°C
	Elongation	500-600%
	Tensile strength	14.4 Mpa
	100%Modulus	2.4 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: Its coating film exhibits excellent adhesion, excellent abrasion resistance, excellent UV resistance, low and high temperature resistance, and excellent water resistance. It has medium hardness and especially exhibits excellent adhesion on ABS, PVC, plastic and rubber substrates.

Formulating guidelines

Suitable crosslinker :

CX-100: 1-2% on dispersion.

Isocyanate (e.g. Our company EC-600, Bayhydur N-3100 or Rodocoat WT2100) : 5-10% on dispersion.

Suitable defoamers:

SAN NOPCO SN-DEFOAMER 399, Dow Corning 65

Suitable levelling aids:

Afcona 3580

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