

## SiwoPUD-991F<sup>®</sup>

|                                  |   |                    |
|----------------------------------|---|--------------------|
| <b>Characteristics:</b>          | Aqueous, aliphatic polyurethane dispersion based on polycarbonate.  |                    |
| <b>Supplied as:</b>              | 45% in water  |                    |
| <b>Physical characteristics:</b> | Appearance  | Translucence-white |
|                                  | Non-volatile constituent  | 45±1 %             |
|                                  | PH value  | 7.0 - 9.5          |
|                                  | Viscosity   | ≤350mPa s          |
|                                  | Glass transition temperature Tg   | -25°C              |
|                                  | NMP, NEP, DMAC  | Free               |
|                                  | Elongation  | 650-750%           |
|                                  | Tensile strength  | 8.9Mpa             |
|                                  | 100%Modulus   | 1.5Mpa             |
|                                  | Shear stability   | good               |
|                                  | Dry   | Fast               |
|                                  | Yellowing resistance  | non- yellowing     |
| <b>Storage:</b>                  | The dispersion should be stored in a frost-free place in tightly sealed containers. It contains no preservative.  |                    |
| <b>Application:</b>              | Its coating film is softer than 990F, and exhibits high gloss, excellent water resistance, excellent abrasion resistance, excellent light fastness and excellent hydrolysis resistance and good NaOH resistance. Its film has better fullness and thickness. It is suitable for textile thick coatings, and heat transfer printing. |                    |
|                                  | It does not contain organotin compounds, heavy metals, formaldehyde, etc. It can be added nitrogen pyridine crosslinker and water-dispersible polyisocyanate crosslinker to further improve the washing fastness.   |                    |

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