

## SiwoPUD<sup>®</sup>-909F

**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                        | ≤100mPa s      |
|                                  | Mean particle size               | ≤100 nm        |
|                                  | Minimum film-forming temperature | 5°C            |
|                                  | NMP, NEP, DMAC                   | Free           |
|                                  | Elongation                       | 380%           |
|                                  | Tensile strength                 | 23.8Mpa        |
|                                  | 100%Modulus                      | 6.4Mpa         |
|                                  | Shear stability                  | good           |
|                                  | Gloss/60°                        | 89-90          |
|                                  | 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:** Cost-effective products. Its film has high brightness and good ethanol dilution property. It has excellent abrasion resistance, resistance to bond and water resistance, and is mainly used in printing varnish, wall coating, steel structure and wood coating, as well as the modification of acrylic emulsion. No organic tin, formaldehyde, heavy metals and other prohibited substances.

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