

Water-based Polyurethane Dispersion

Application

Applicable to synthetic leather, coating for natural leather, coating for building materials, marking films, etc.

Characteristics

- Self-emulsifying anionic polyurethane dispersion (PUD) without using surfactant.
- Excellent in durability (weather-fastness, hydro-resistance, heat-resistance), and applicable to automobiles requiring durability.
- Designed as ultrafine particle with 0.1 μm particle size, and capable of obtaining a film with high transparency because of the excellent coating film formation ability.
- Free from whitening and dissolving phenomena of coating film because of the excellent water-resistance (Our internal boiling test: visual observation of coated sample after leaving it in boiling water for 30 min.).
- Capable of controlling performances such as durability and hardness/softness by adjusting resin composition, and of creating a wide range of quality according to application.
- Easy handling because of its categorization as a non-hazardous material under the Japanese Fire Service Act.

Representative Products

Application	Type	Polyols	Product name
Adhesives (two-component curing type for film materials)	Non-yellowing	Polyether / Carbonate	D-1063
Skin layers (one-component type for film materials)	Non-yellowing	Polyether	D-2040
		Polyether / Carbonate	D-4080
			D-4200
		Polycarbonate	D-6065NP
			D-6300