

DP 162

(Water resistance improving dispersant)

DP 162 is a special acrylic copolymer dispersing agent, which has excellent penetration and dispersibility for organic and inorganic pigments used for water-soluble acrylic polymer emulsion coatings. Especially, it has excellent ability to improve the water resistance and coloring property of coatings based on acrylic polymer emulsion.

■ General Appearance ■

Appearance: Light yellow transparent liquid

P H: 8.5 ± 1.0

Solids: 25 ± 2

Viscosity: 1,000 cps or less

Anionic: Anionic

Solubility: soluble in water

■ Specific Character ■

1. It is a special anionic polymer material and shows excellent dispersibility for inorganic and organic pigments.
2. Acryl polymer emulsion to water-based paint forms a water-resistant coating.
3. It has good compatibility with organic and inorganic pigments and forms a good coloring film.

■ Applications and How to use ■

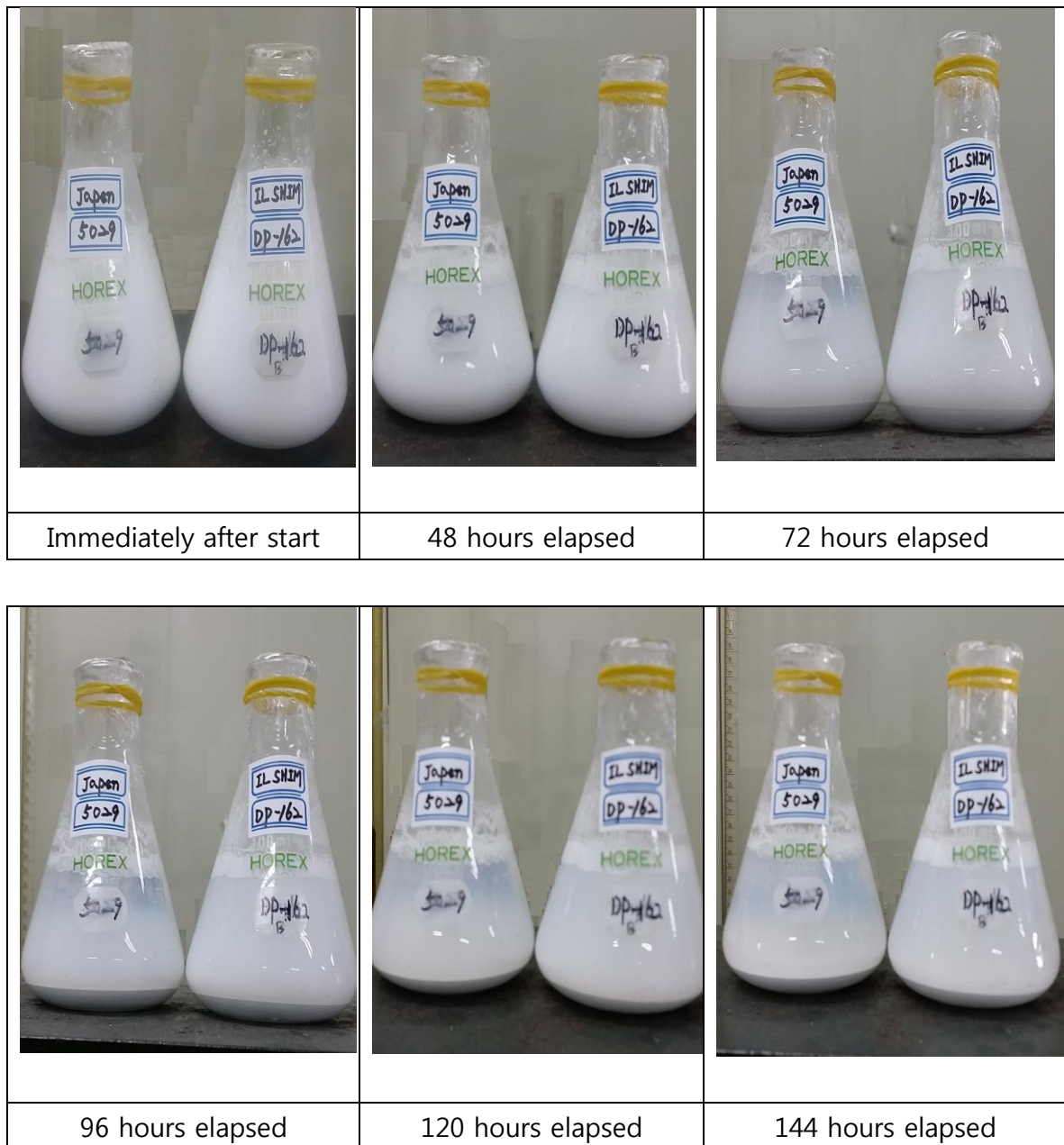
- Waterborne paints based on Acryl polymer emulsion (interior, exterior)
- How to use : In the DP162 after the water was added the pigment to create a stirred suspension state slurry. It is standard to use by addition of 0.5~1.0% (solid content) on the pigment.

■ Packing ■

IBC Tank 1,000Kg, DRUM 220kg, Pail 20Kg

* Be sure to read the Material Safety Data Sheet (MSDS) of this product before use.

Test Information No1



Test method : 1) Calcium carbonate (CaCO_3) 10%

2) Titanium Dioxide (TiO_2) 5%

3) Dispersant (Japan : 5029, ILSHIM FINE CHEMICALS : DP 162) 0.5%

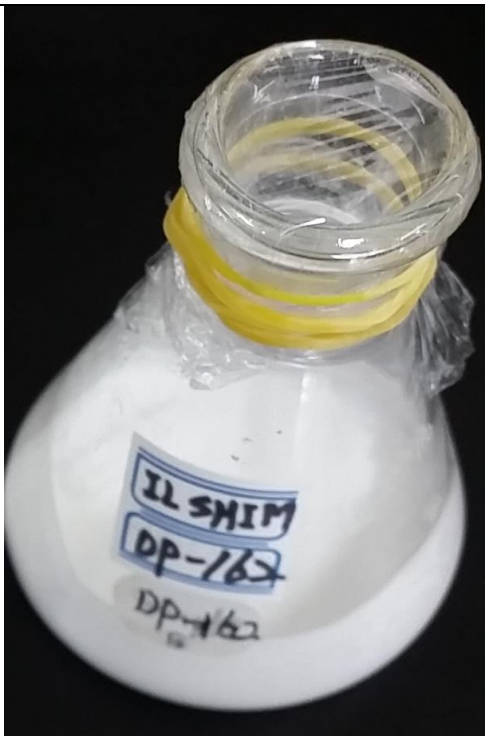
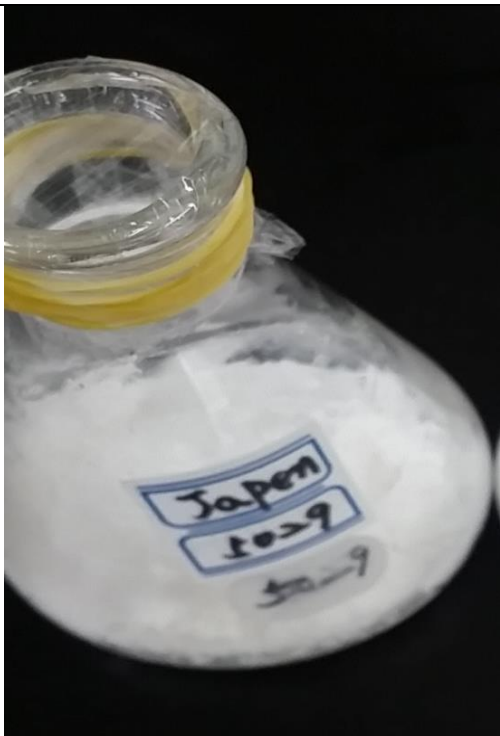
4) Water 84.5%

1. Add dispersant into water and stir for 5 minutes.

2. Add calcium carbonate and titanium dioxide, stir at 600 rpm for 20 minutes, and separate.

Test Information No.2

water reducer on water-dispersibility test (viscosity decrease)




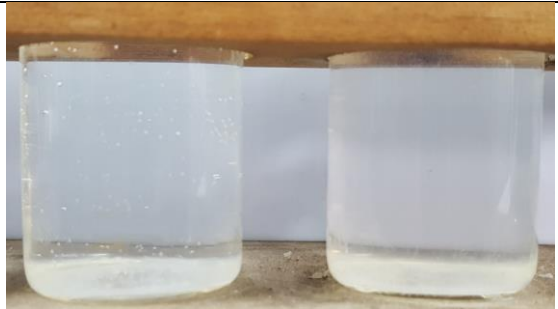
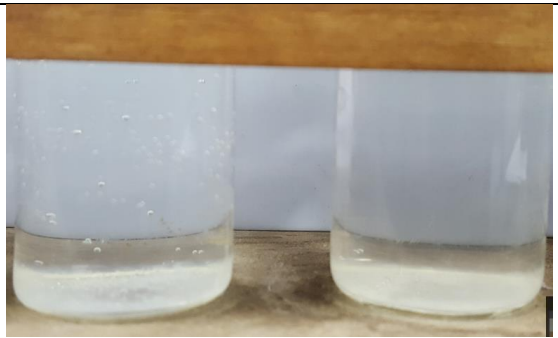
Product Name	DP-162	Japanese company 5692
		
Result	Good dispersibility	Poor dispersibility

■ Test Method

Calcium carbonate 10g
titanium dioxide 5g
Dispersant 0.3g
Water 5g
Magnetic stirrer 150rpm

Test Information No.3

Water resistance evaluation

	After input			
				
	After 2hr			
				
	After 4hr			
				
After 8hr				
				
	input	After 2hr	After 4hr	After 8hr
DP 162	○	○	△	△/X
5029	○	○	△	△/X

○ : Insoluble
 △ : Slightly soluble
 X : soluble

■ Test Method

100 g of H₂O and 0.96 g of completely dried DP 162 & 5029 were added to the colorimetric tube and the solubility was evaluated.