

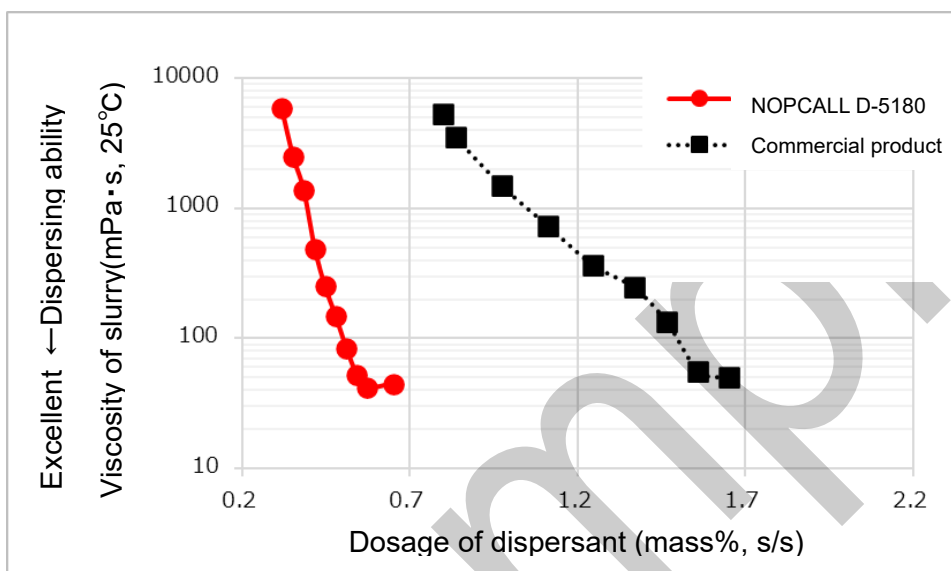
Dispersant for Water-based Paints

NOPCALL D-5180

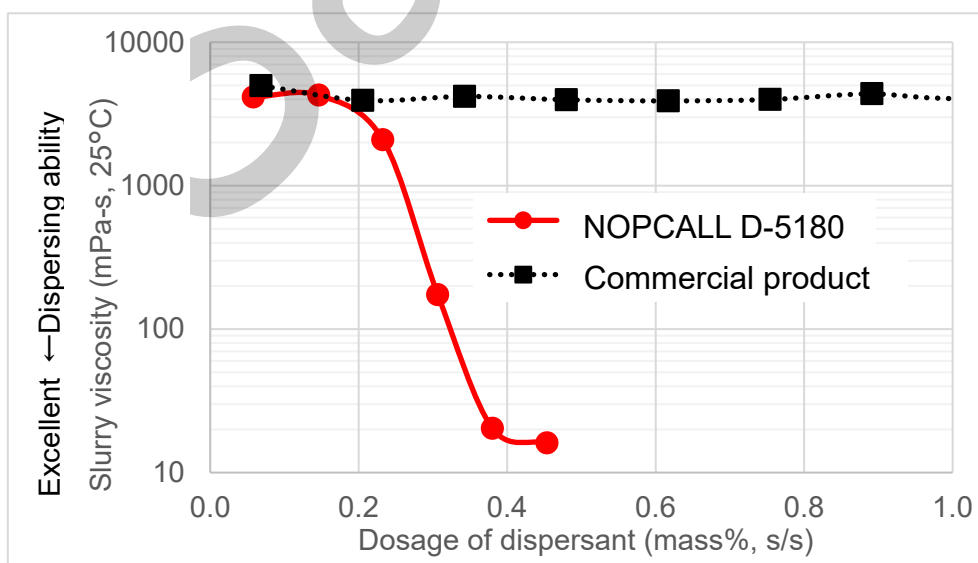
Product Features

NOPCALL D-5180 is a dispersant for water-based paints consisting mainly of modified polycarboxylate amine salts. It exhibits excellent dispersing effects on inorganic and organic pigments used in various industrial paints and produces high-quality paint films.

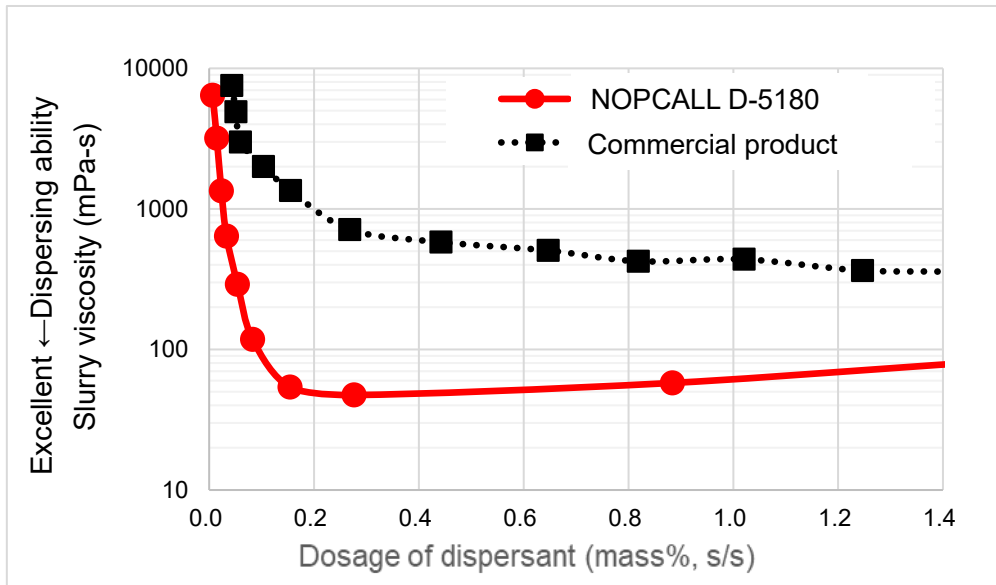
●Dispersing Test of Highly Weather-resistant Titanium Dioxide *¹(70% slurry)



●Dispersion Test of barium sulfate*² (65% slurry)



●Dispersion Test of Anti-corrosion Pigment (zinc phosphate^{*3}, 70% slurry)



*1 high weather-resistance titanium dioxide TIPAQUE® PFC105 (ISHIHARA SANGYO KAISHA Ltd.)

*2 Barium sulfate P-30 (Takehara Chemical Industry Co., Ltd.)

*3 Zinc phosphate EXPERT NP-530 (TOHO GANRYO KOGYO CO., LTD)

<Test method>

- (1) Add ion-exchanged water, dispersant, and defoamer to a glass bottle.
- (2) While stirring with a homogenizer (about 1,000 rpm), prepare the pigment in the glass bottle.
- (3) After 1,500 rpm x 3 minutes, measure the viscosity at 60 rpm with a B-type viscometer.
- (4) Add dispersant.
- (5) Repeat steps (3) and (4).

●Applications

Water-based coatings (for metals, plastics, wood)

●Typical Properties (These data aren't specifications.)

Appearance	Pale yellow~brown liquid
Active content(%)	25
Viscosity(mPa · s)(25°C)	30
pH (5% aqueous dilution of the product)	8.9
Specific Gravity(25°C)	1.05

●Packaging

Net 18kg can

Net 200kg drum