



DOXA

Water-based Rheology Additives

Doxgel RH-11

Grinding Formulation

Materials	Wt. %
Dispersant (D-292)	11.7
Water	53.1
EG	5.0
Green Pigment	30.0
Doxfoam F81	0.1
Total	100.0

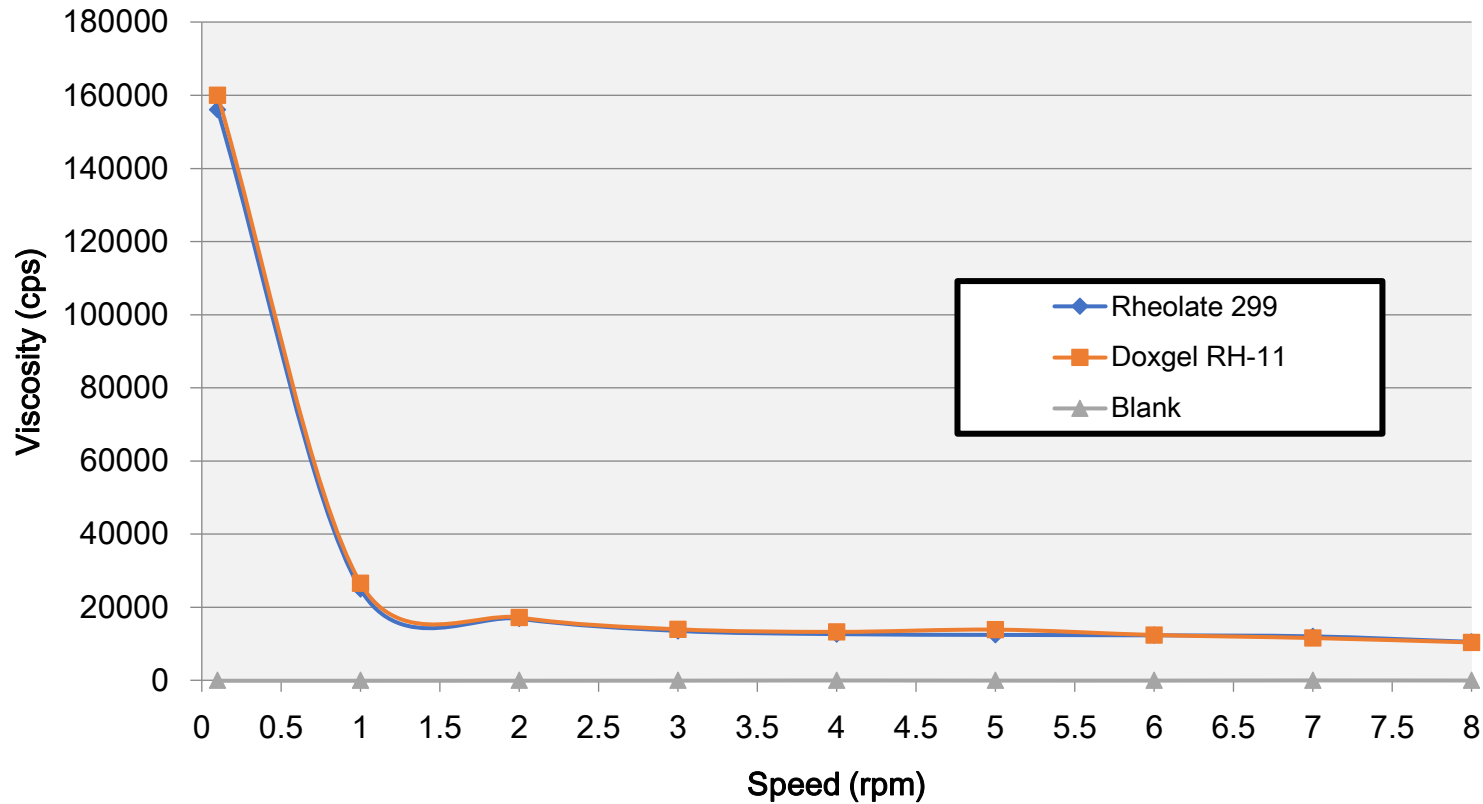
Letdown Formulation

Materials	Wt. %
Millbase	11.7
Acrylic Emulsion	53.1
Total	100.0

Doxgel RH-11 Test Method

- ① The addition amount of Doxgel RH-11 is 2% of the total weight of the paint.
- ② Slowly add Doxgel RH-11 to the paint, stirring continuously during the addition process.
- ③ Testing the performances of rheology, sagging and leveling.

Rheology



Rheolate 299 Viscosity (cps)	Speed (rpm)	Doxgel RH-11 Viscosity (cps)
156058	0.1	160034
24949	1	26540
16898	2	17196
13551	3	13949
12673	4	13245
12464	5	13856
12342	6	12392
12055	7	11559
10561	8	10350

The rheological behavior of Doxgel RH-11 is similar to that of Rheolate 299.

Sagging

Blank



Rheolate 299



Doxgel RH-11



With the addition of Doxgel RH-11, its sagging performance can also be similar to Rheolate 299.

Leveling

Blank



Rheolate 299



Doxgel RH-11



Add Doxgel RH-11 or Rheolate 299, both have similar leveling performance.