



COATINGS

INDORAMA
VENTURES



OXITIVE[®] 8380

Dispersing agent for inorganic pigments and fillers



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OXITIVE® 8380 is a Zero-VOC sodium salt of a polyacrylic acid dispersing agent suitable for inorganic pigments and fillers, used in the production of water-based coatings and slurries.

BENEFITS

- Zero-VOC content
- Low foam formation and no foam retention
- Ensures stability for highly pigmented systems at low dosage levels
- Suitable for dispersing inorganic pigments and fillers





FEATURES

- Package: Sample, Drum, IBC

PHYSICAL PROPERTIES

Appearance @25°C	Liquid
Solids content, wt (%)	28.0 – 34.0
pH (1% wt/wt, aqueous @25°C)	8.0 – 9.0
Viscosity @25°C (cP)	15 – 40
Density @25°C (g/cm ³)	1.16 – 1.19
Solvent	Water

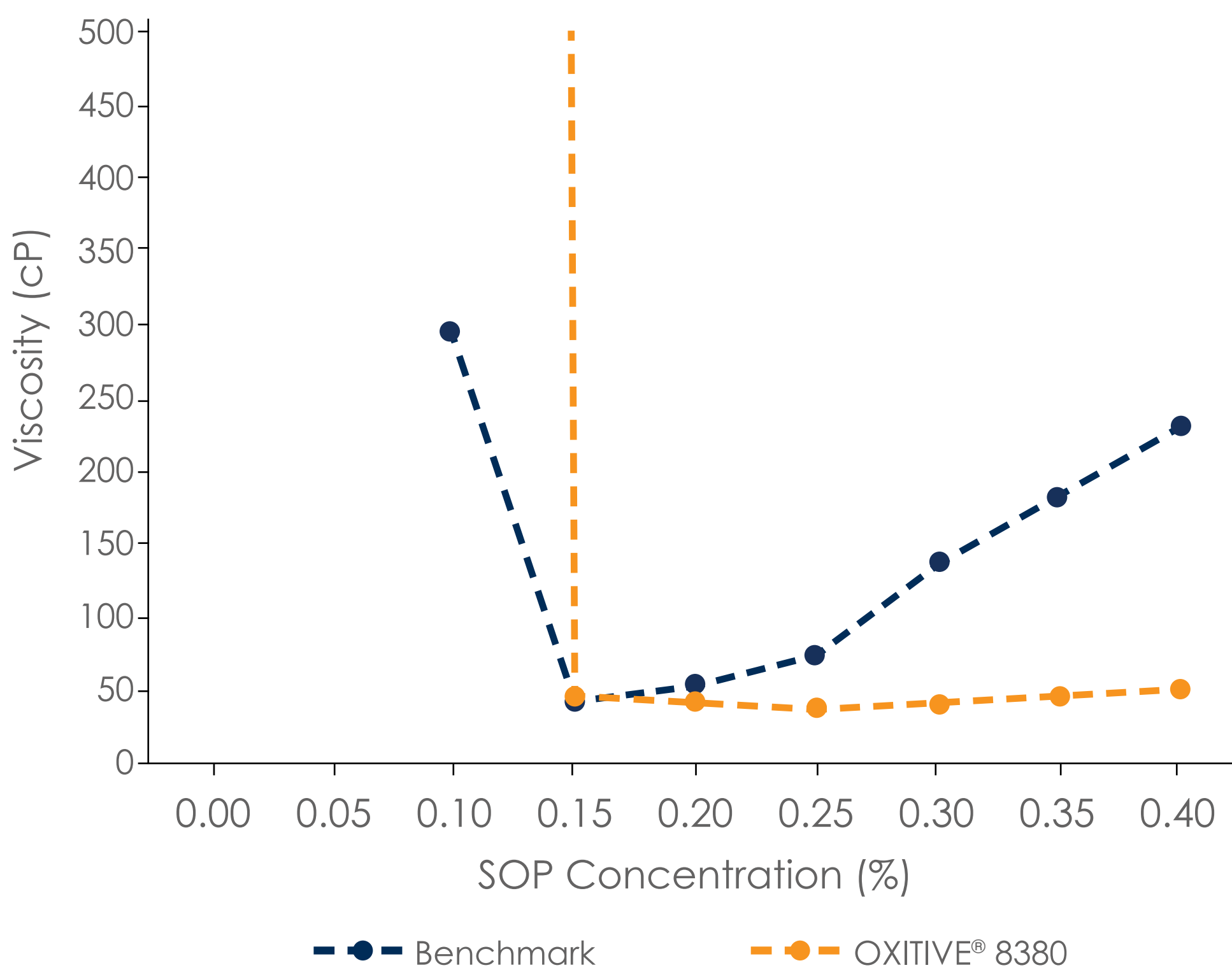




PERFORMANCE TESTS

Slurries

Deflocculation curves – dispersing agent demand



Pigment: Ti-Pure™ R-902+ – Chemours
Concentration in water (wt): 70%

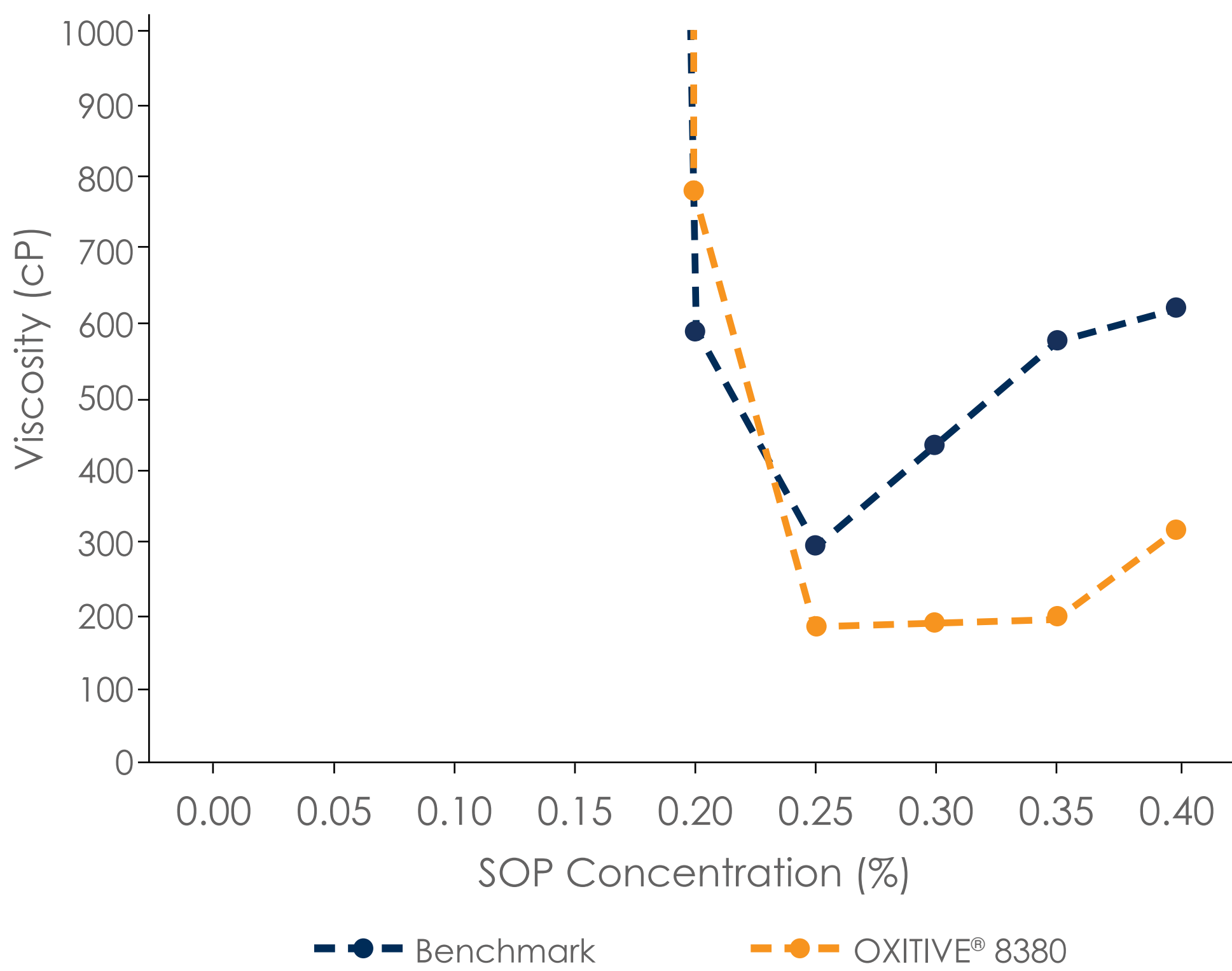
Product	Optimal SOP Dosage (%)	Viscosity on Optimal Dosage (cP)
Benchmark	0.15	42
OXITIVE® 8380	0.15	46



PERFORMANCE TESTS

Slurries

Deflocculation curves – dispersing agent demand



Filler: PCC- BARRALIN® PLUS - Imerys
Concentration in water (wt): 75%

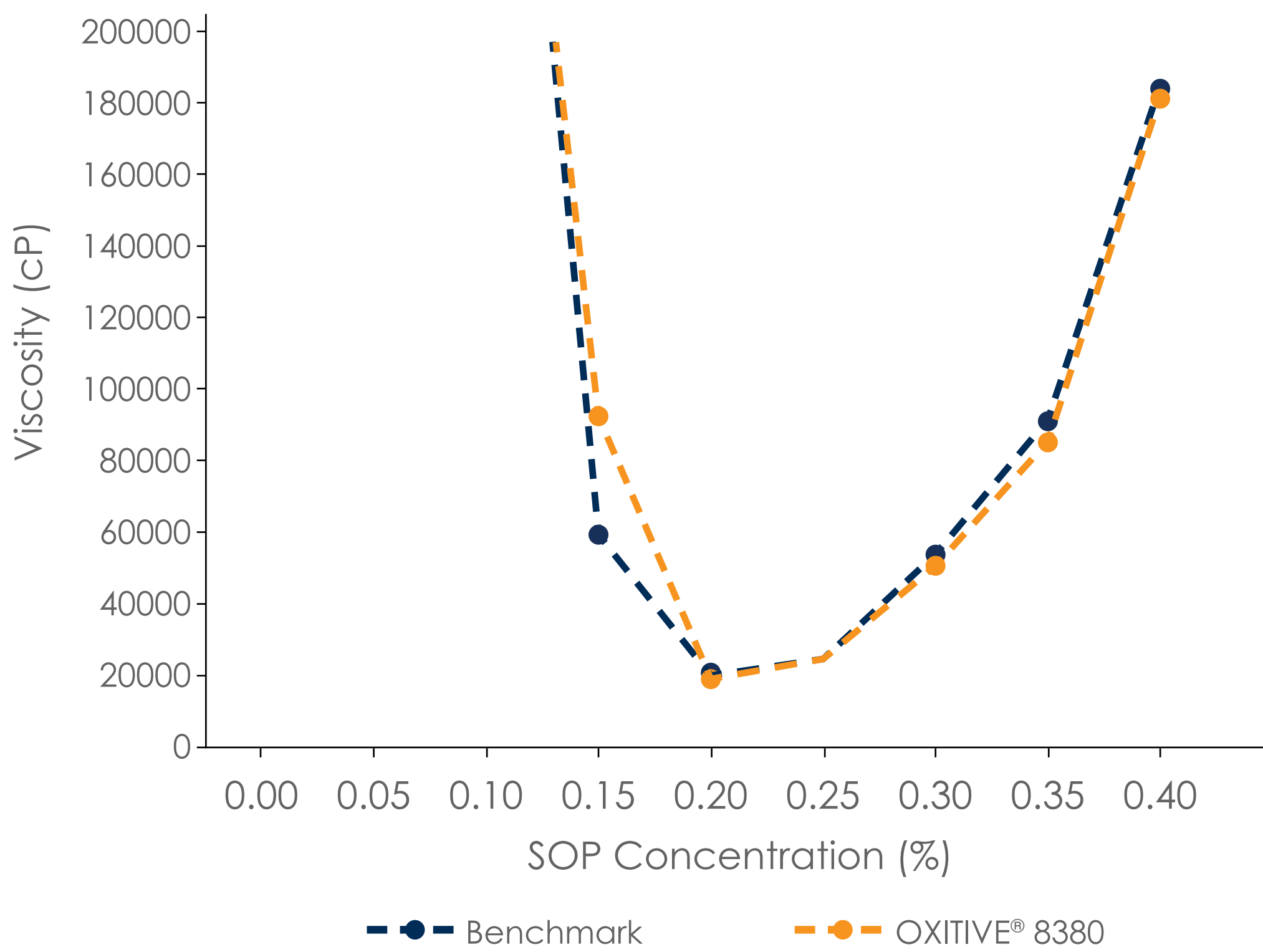
Product	Optimal SOP Dosage (%)	Viscosity on Optimal Dosage (cP)
Benchmark	0.25	294
OXITIVE® 8380	0.25	190



PERFORMANCE TESTS

Slurries

Deflocculation curves – dispersing agent demand



Filler: Kaolin – Caulim NP 95 - Imerys
Concentration in water (wt): 75%

Product	Optimal SOP Dosage (%)	Viscosity on Optimal Dosage (cP)
Benchmark	0.20	19310
OXITIVE® 8380	0.20	18000



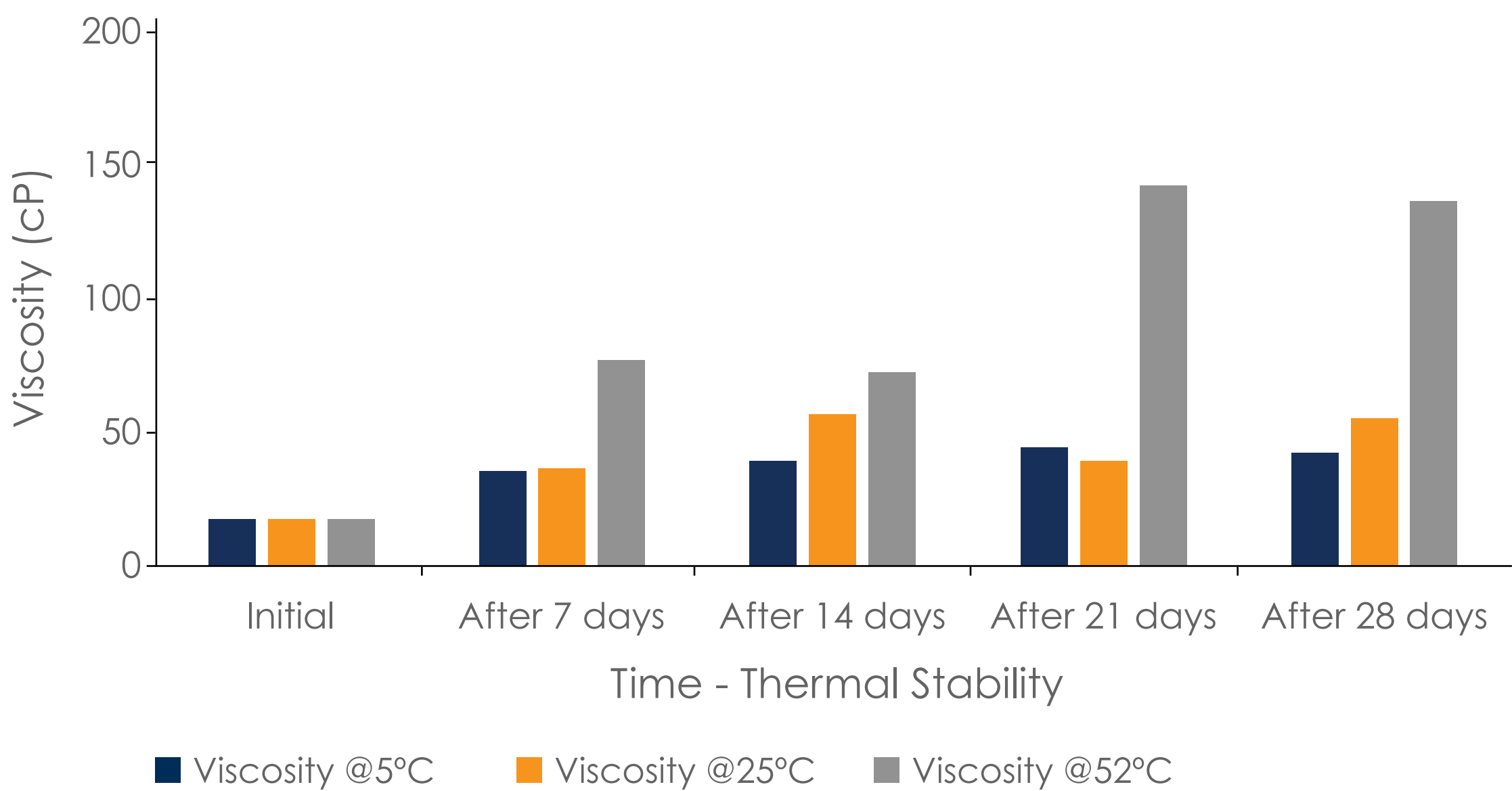
PERFORMANCE TESTS

Pigment slurry

Stability evaluation

Evaluated Formula

Component	% (weight)
Water	29.24
Defoamer	0.10
Biocide	0.20
OXITIVE® 8380	0.46
TiO ₂ R-902 ⁺	70.00



Using low dosages, slurries prepared with **OXITIVE® 8380** present excellent stability at different temperatures.



PERFORMANCE TESTS

Paints

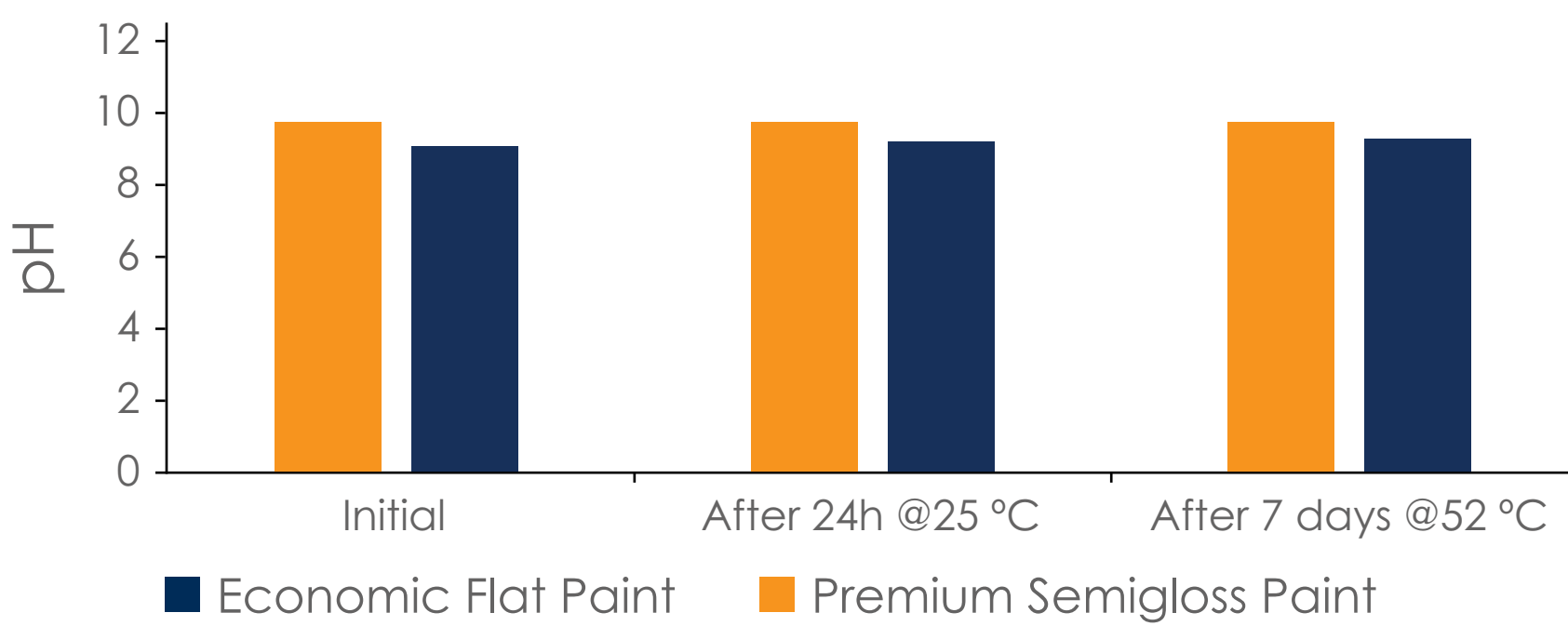
Evaluated formulas

Economic Flat Paint	Content
PVC	87%
Latex	8%
Pigment and fillers	55%
OXITIVE® 8380	0.30%

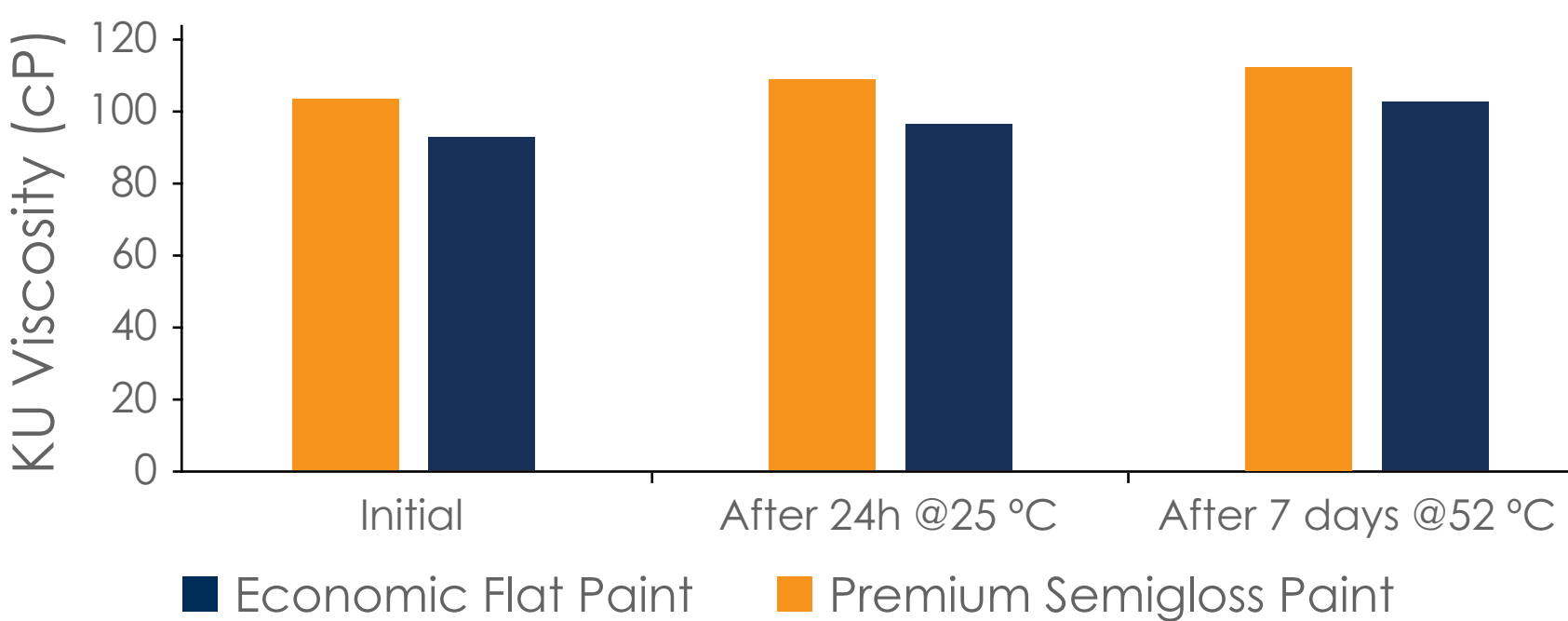
Premium Semigloss Paint	Content
PVC	32%
Latex	35%
Pigment and fillers	26.5%
OXITIVE® 8380	0.35%

Stability evaluation

pH



KU Viscosity



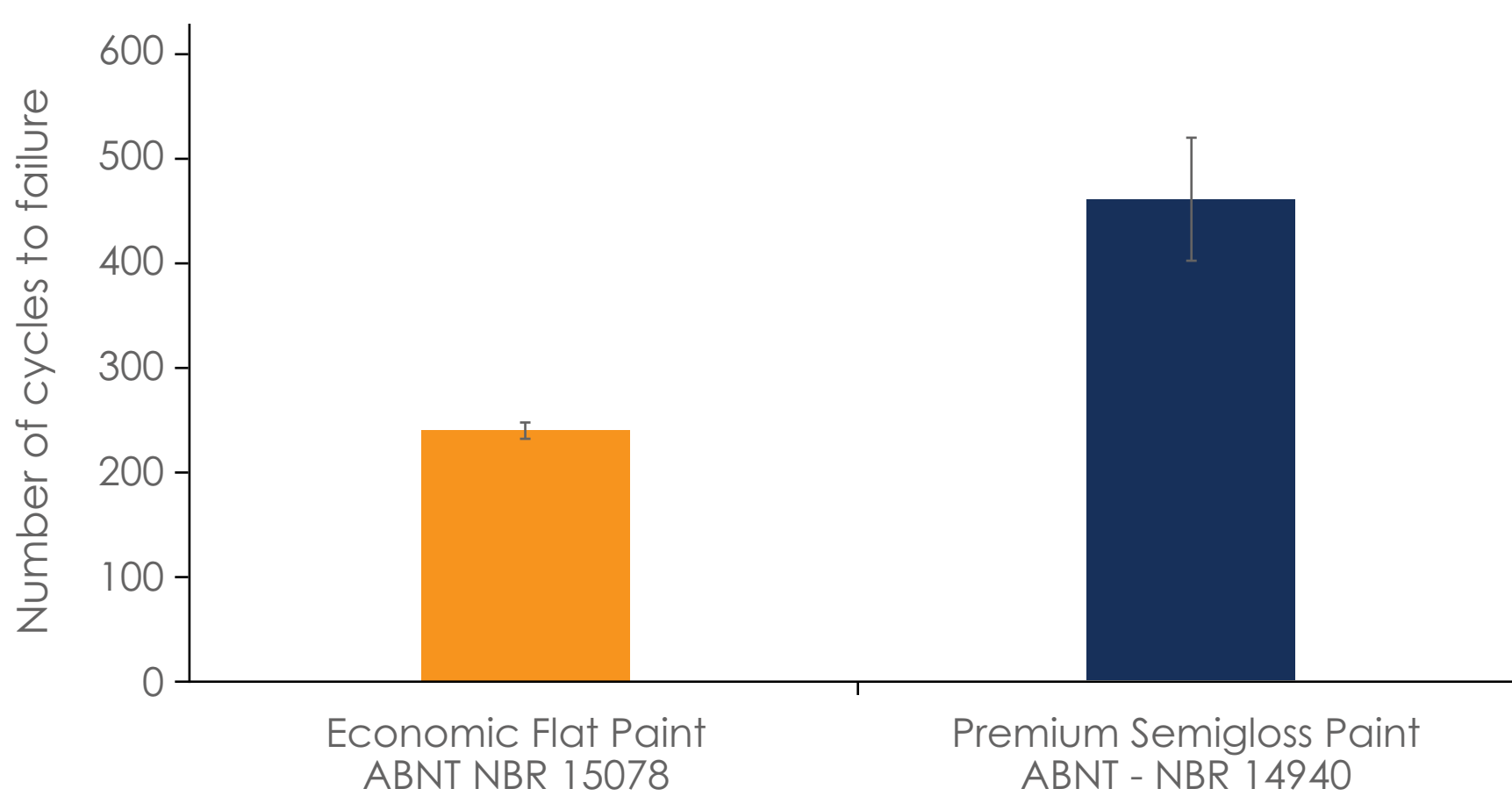
Paints prepared with **OXITIVE® 8380** present excellent stability, ensuring viscosity and aspect maintenance.



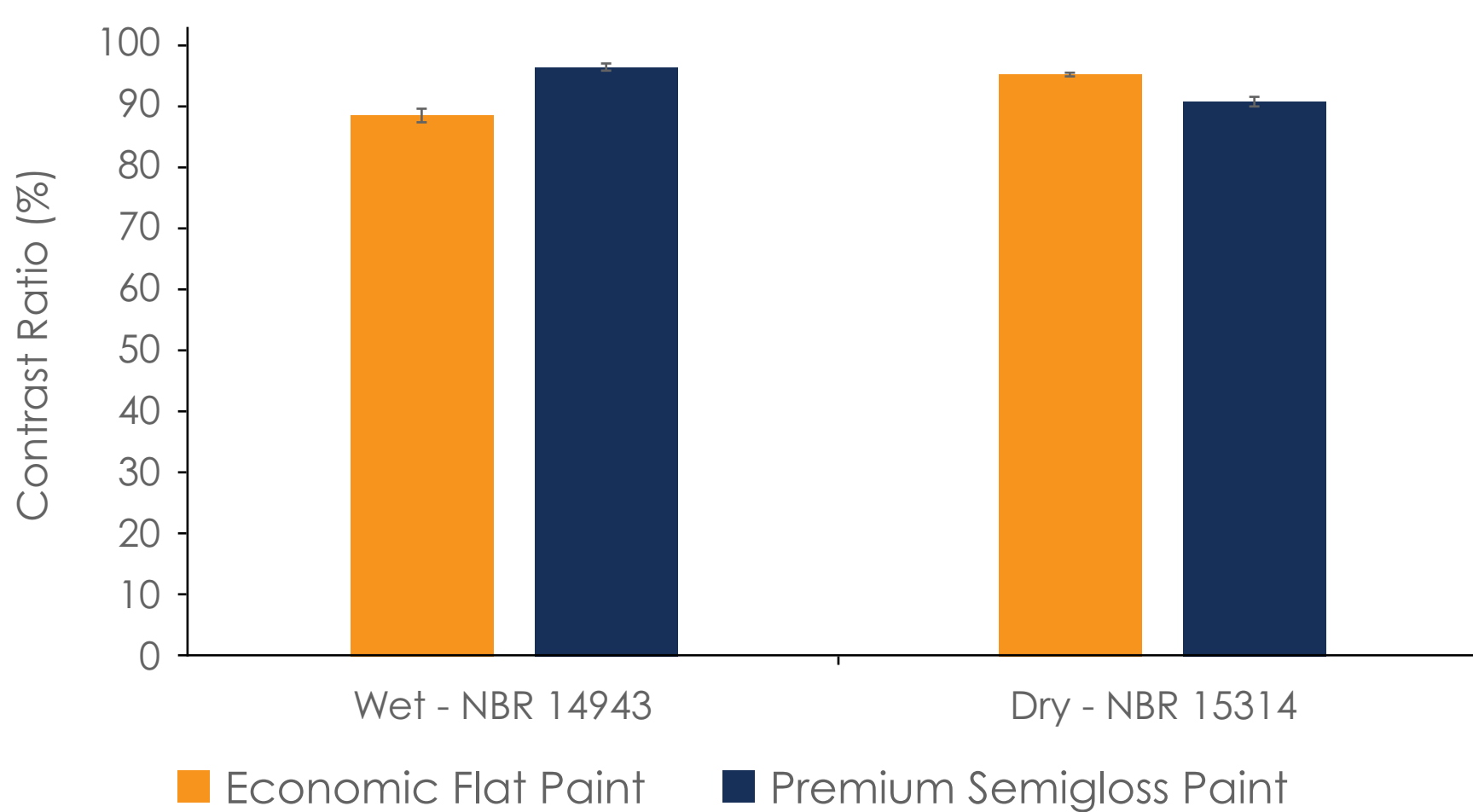
PERFORMANCE TESTS

Paints

Wet Scrub Resistance



Hiding Power



Paints formulated with **OXITIVE® 8380** present good results in terms of wet scrub resistance, wet and dry hiding power.

If you are looking for dispersing agents for slurries and water-borne paints, **OXITIVE® 8380** is what you need!"

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