COATINGS

OXITIVE®
7000 SERIES

APE-FREE WETTING AGENTS FOR WATER-BASED COATINGS

OXITENO

Evolution by chemistry

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A broad range of surfactants designed to decrease interfacial tension between coatings components hence allowing high pigment and filler load of mill-base during grinding, high compatibility of colorants in tinting systems and improved substrate wetting.

BENEFITS

- Reduces the viscosity of the mill base

- Increases pigment load and improves dispersion process

- Suitable for tinting systems

- Broad HLB range

FEATURES

- APE-free surfactants
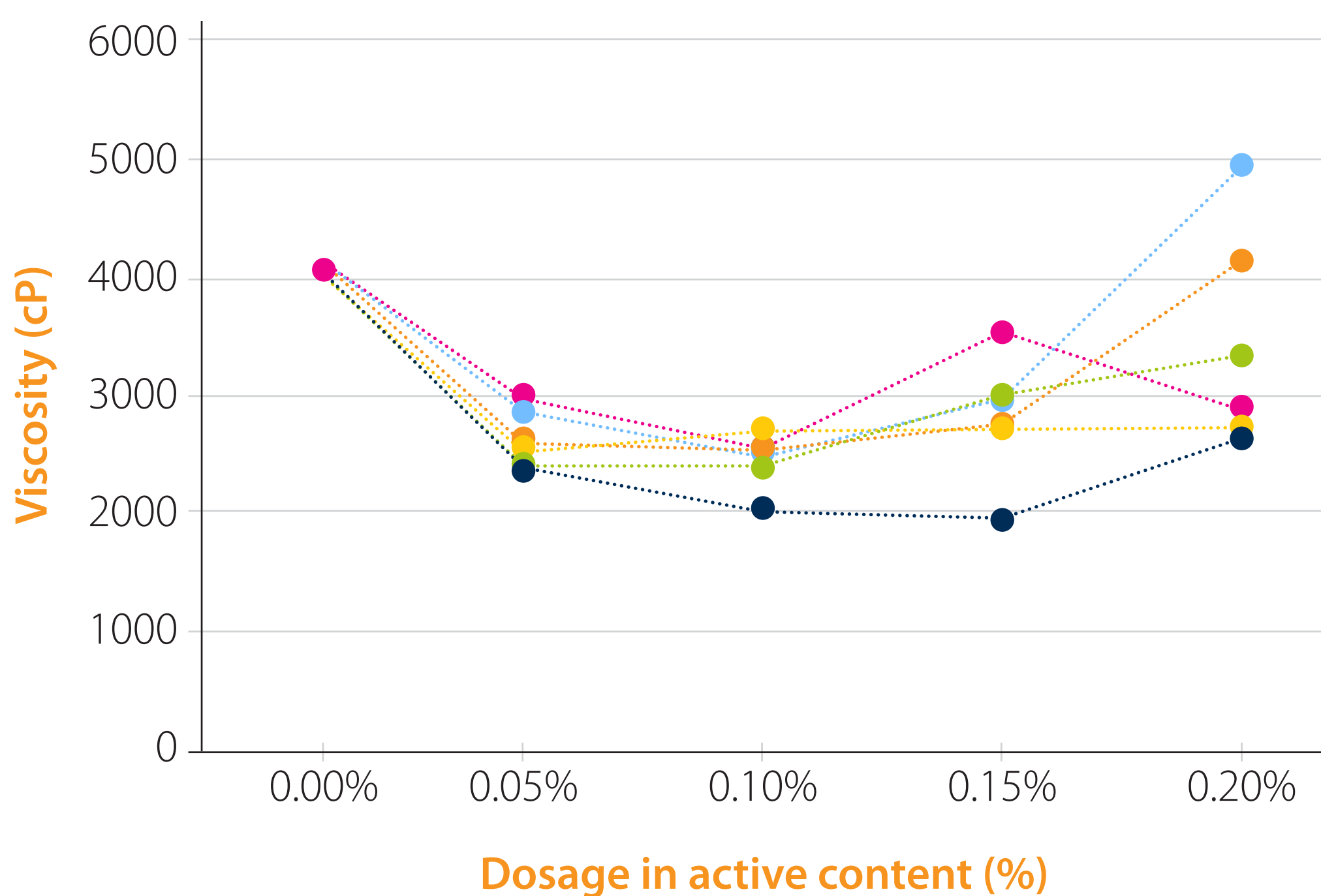
- Package: Sample, Drum, Bulk

PRODUCTS	HLB	CLOUD POINT (°C)	PHYSICAL STATE @ 25 °C	SURFACE TENSION, 0.1% @ 25 °C
OXITIVE® 7233	11.5	42	Liquid	28.2
OXITIVE® 7245	13.4	81	Paste	31.8
OXITIVE® 7255	14.0	90	Paste	33.6
OXITIVE® 7110	16.9	80	Liquid	44.3
OXITIVE® 7210	7.0	22	Liquid	30.5

PERFORMANCE TESTS

Mill base viscosity

Tested slurry: Calcium carbonate, dolomite, precipitated calcium carbonate and kaolin.
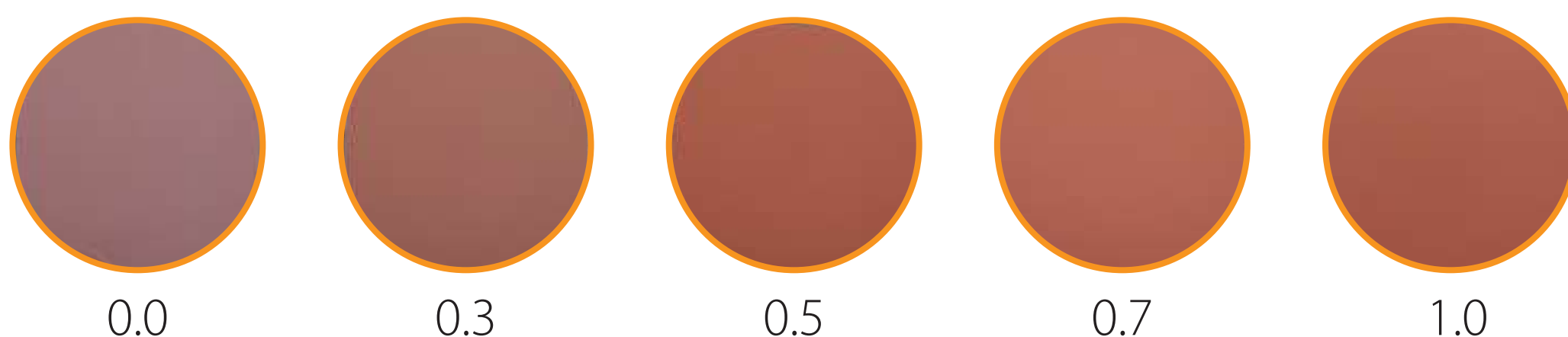
Test condition: Brookfield viscometer/ dispersant: sodium polyacrylate @ 1.0%.
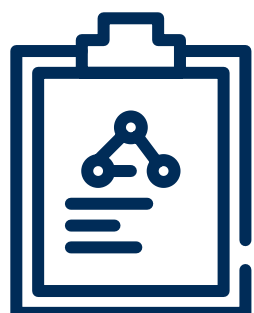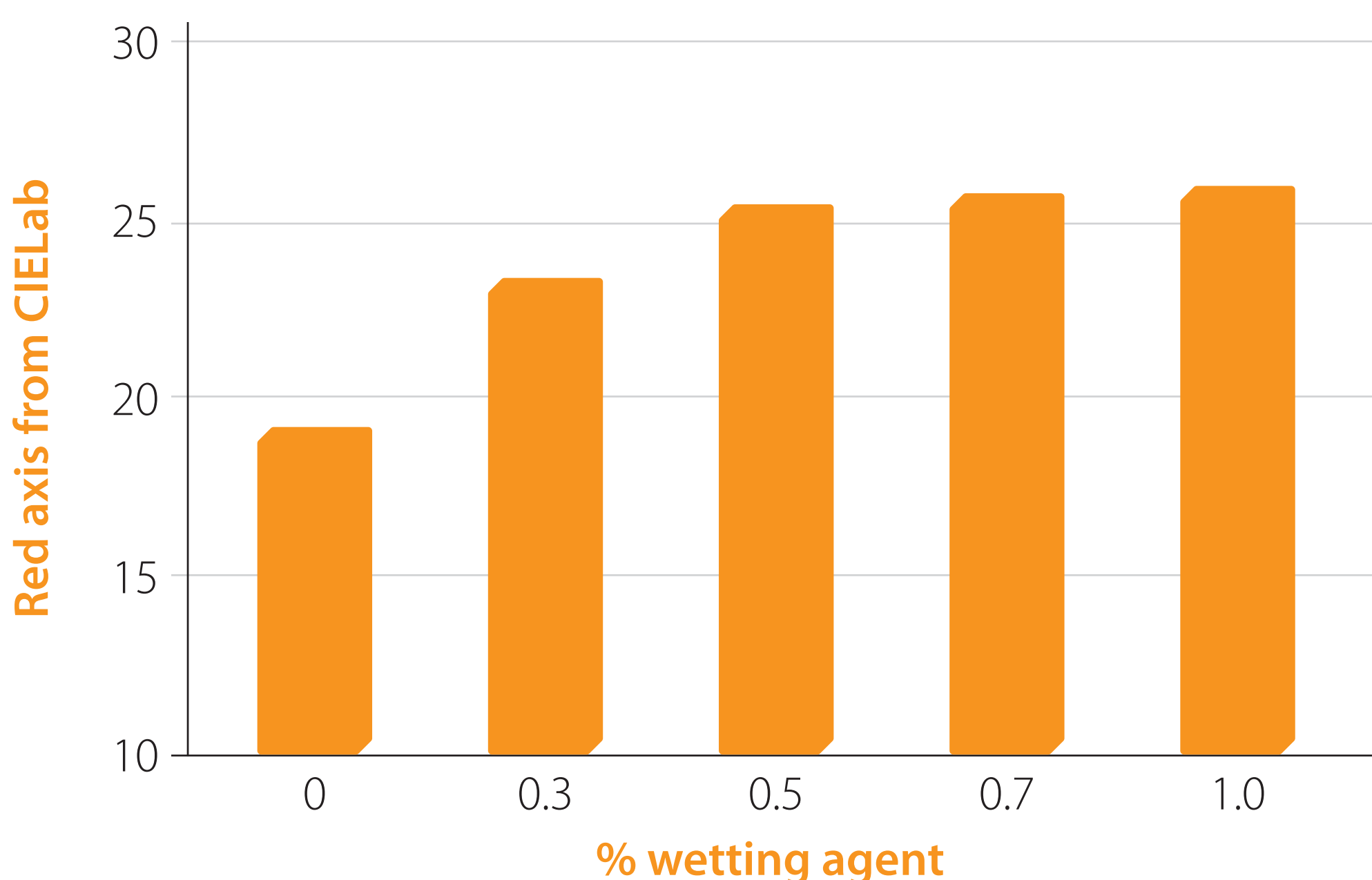
PERFORMANCE TESTS

Color development OXITIVE® 7110
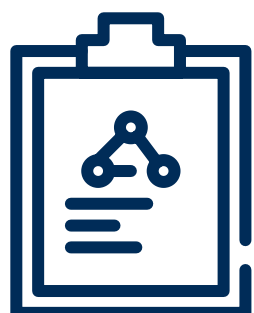
Wetting agent dosage (OXITIVE® 7110)

| 0.0 | 0.3 | 0.5 | 0.7 | 1.0 |

Color development for OXITIVE® 7110

Red axis from CIELab

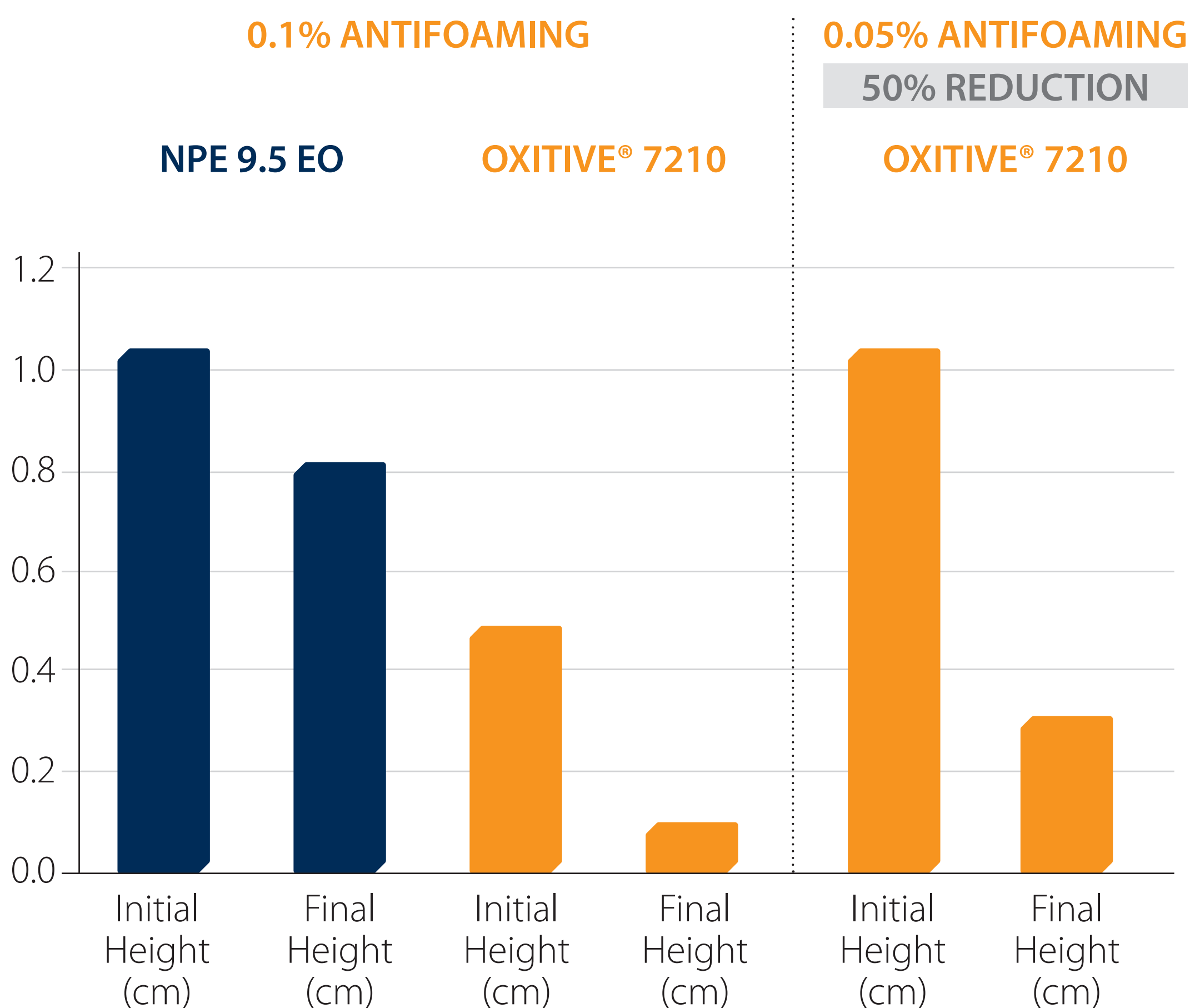| % wetting agent	Red axis from CIELab
0	~19
0.3	~23.5
0.5	~25.5
0.7	~25.8
1.0	~26

Tested paint: Pure acrylic, PVC ~ 40%, tinted with inorganic red pigment.

Test condition: Rub-out test and color difference measurement (Oxiteno's Internal Method).
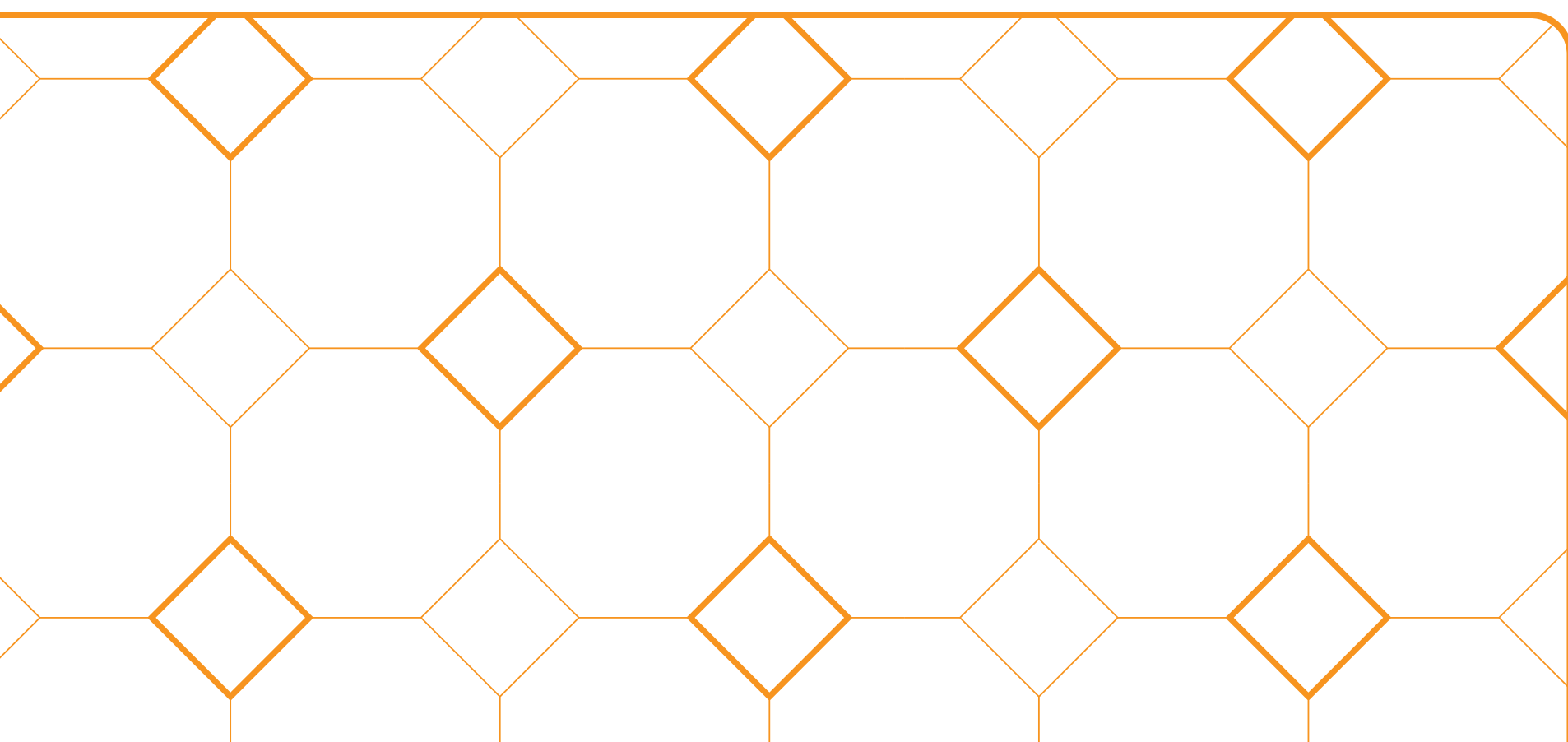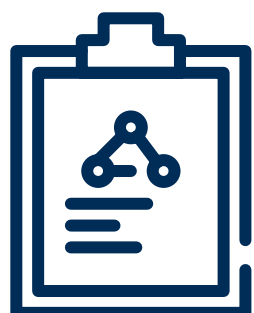
PERFORMANCE TESTS
OXITIVE® 7210

0.1% ANTIFOAMING | **0.05% ANTIFOAMING**
50% REDUCTION

NPE 9.5 EO | **OXITIVE® 7210** | **OXITIVE® 7210**

Chart (y-axis from 0.0 to 1.2):
- NPE 9.5 EO — Initial Height (cm): ~1.04
- NPE 9.5 EO — Final Height (cm): ~0.82
- OXITIVE® 7210 (0.1%) — Initial Height (cm): ~0.49
- OXITIVE® 7210 (0.1%) — Final Height (cm): ~0.10
- OXITIVE® 7210 (0.05%) — Initial Height (cm): ~1.04
- OXITIVE® 7210 (0.05%) — Final Height (cm): ~0.31

Test condition: Ross-Miles foam test.

PERFORMANCE TESTS
Rub-out

Styrene Acrylic Paint/PVC 30
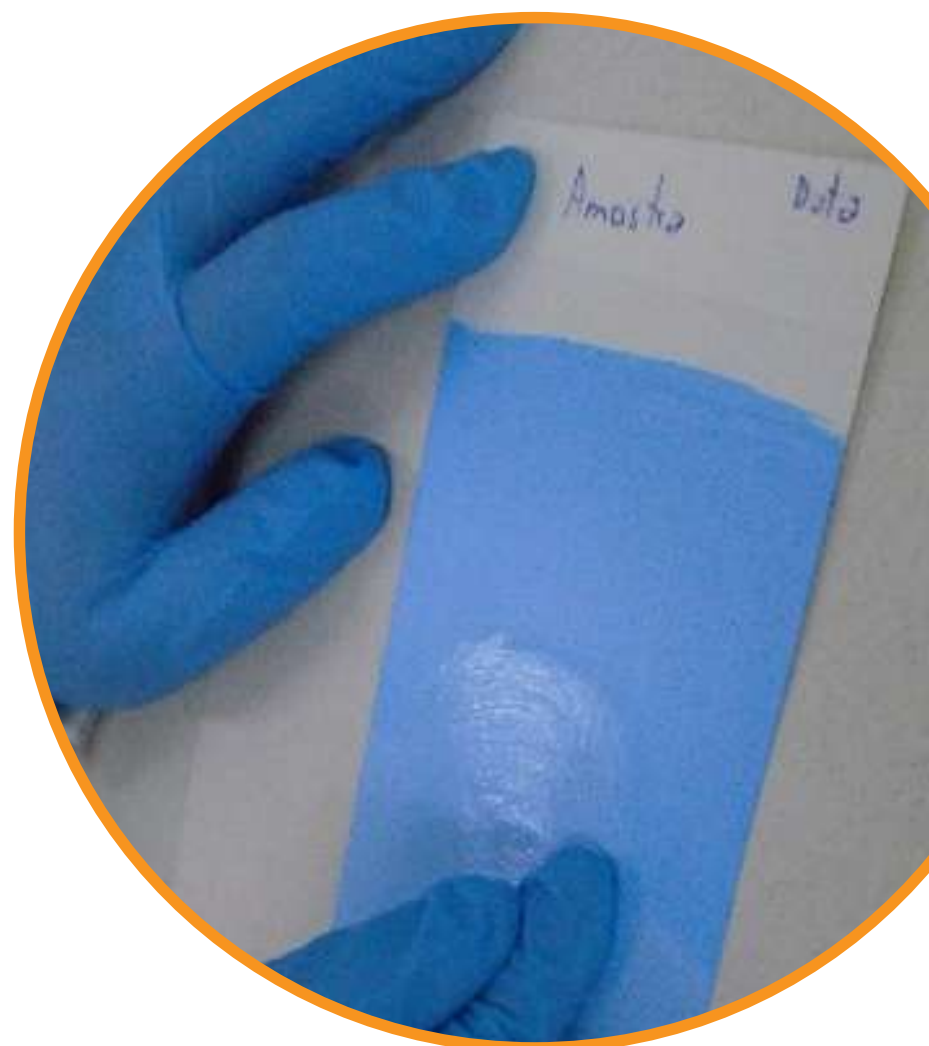
Rub-out of a white paint tinted with a blue pigment paste

Product	Delta E
NPE 9.5 EO	~0.67
OXITIVE® 7210	~0.34
OXITIVE® 7110	~0.55
OXITIVE® 7255	~0.70
OXITIVE® 7245	~0.58
OXITIVE® 7233	~0.26

Delta E
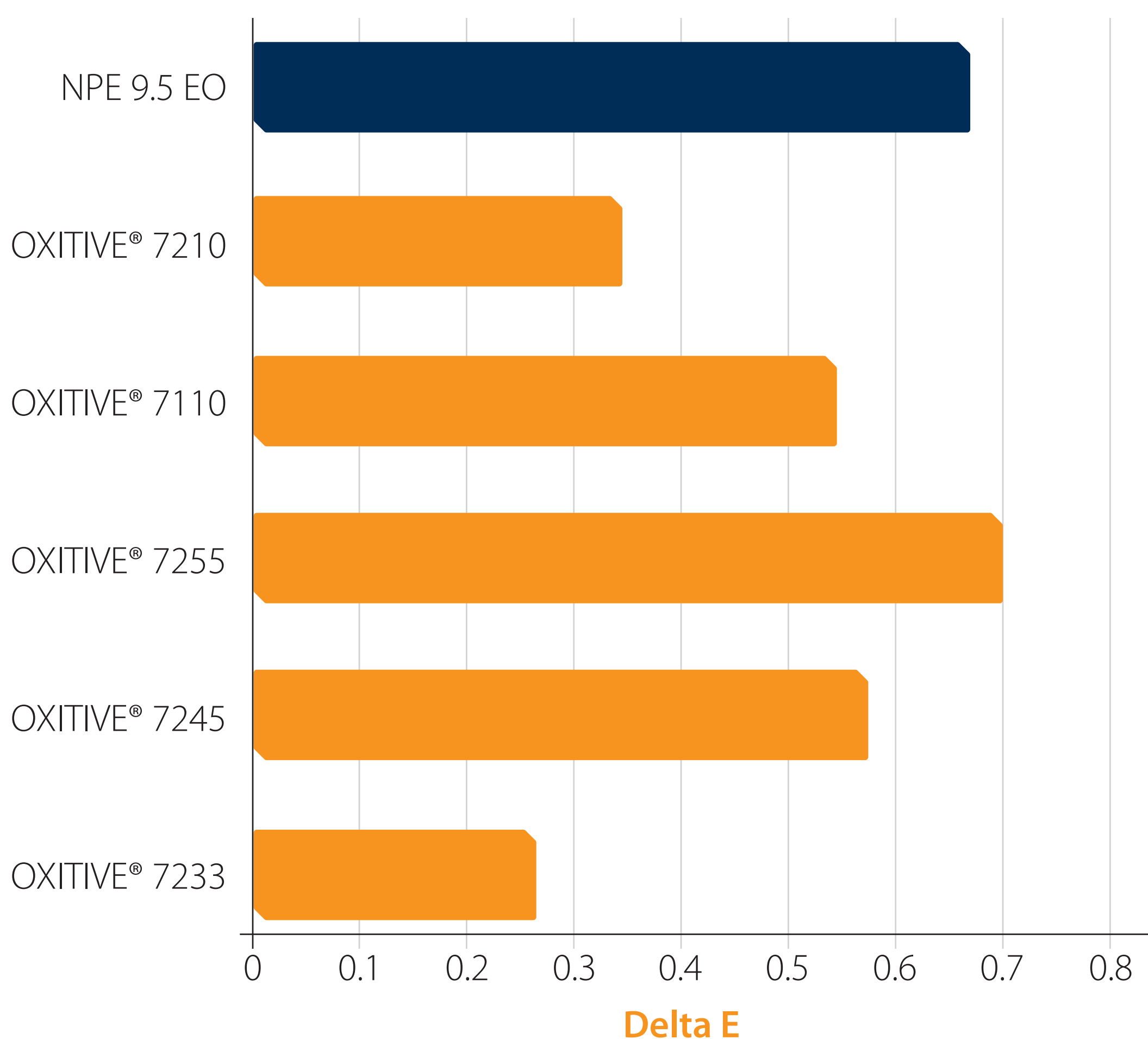
Tested paint: Styrene-acrylic, PVC ~ 30%, tinted with blue pigment paste.

Test condition: Oxiteno's Internal method. Dispersant: Sodium Polyacrylate @ 0.35%. Grindind Aids @ 0.15%.
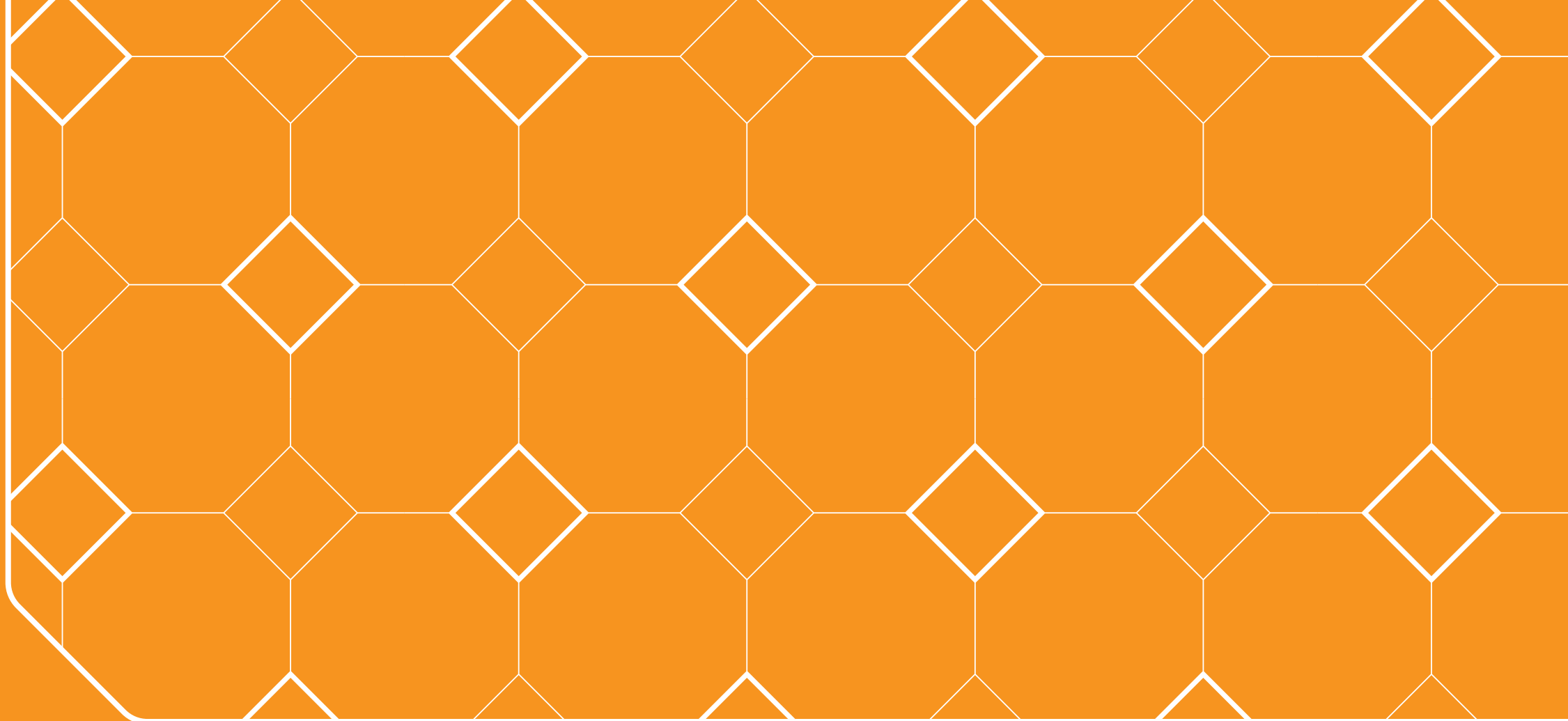
If you are looking for APE-free wetting agents for water-based coatings **OXITIVE® 7000 SERIES** is what you need! Contact us and request a sample.

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oxiteno.com/us/en/contact/