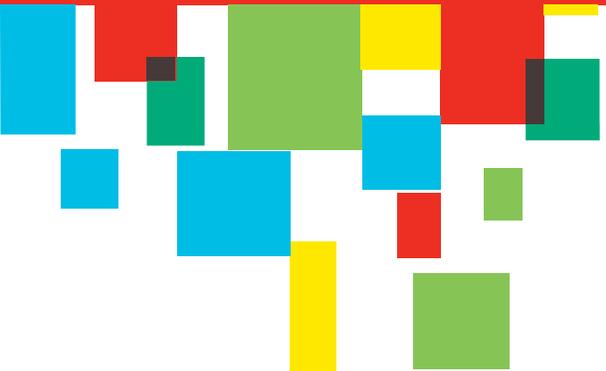


Fanchon Orange 36 / 271-6136

Product Launch

January 2026





- Technical comparison vs Novoperm Orange HL70
 - TS Shanghai Results in L003 SB Alkyd Melamine and WB Industrial
 - TS Ludwigshafen Results in SB 2K PU, Powder Coating and WB Architectural
 - TS Kashima Results in SB Alkyd Melamine



Test system

- Solvent base system: L003 alkyd/melamine baking finish, main solvent is the mixture of Solvesso 100(C9 aromatic fluid) and N-butanol. Leave the coating to dry for 30 minutes at room temperature and then bake it for 30 minutes at 120 °C.
- Water base system: A Lab developed acrylic system, using BASF Joncryl 8330 resin, main solvent are water and DPnB. Bake under 80°C after flash-off 15min at room temperature.

Applicator:

- Full shade is 60µm wet film and 1:4 white reduction is 200µm wet film.

Test samples

- Novoperm Orange HL70, Fanchon® Orange 36 / 271-6136 .

Images

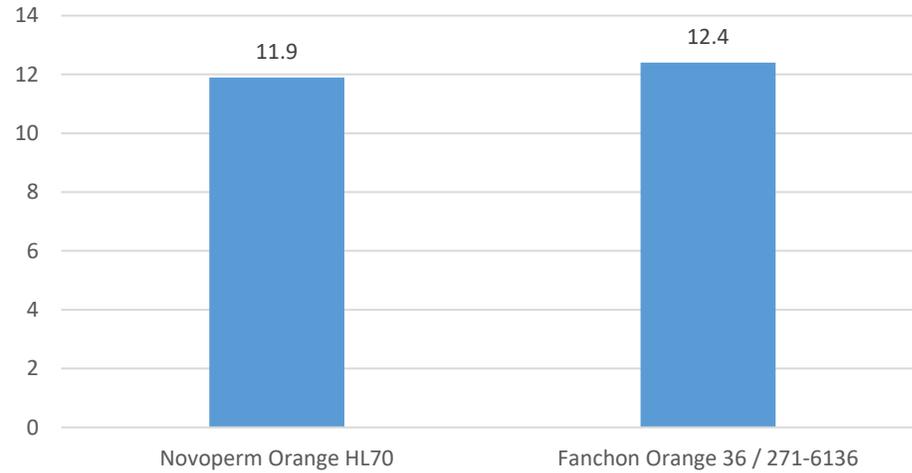


Solvent-base L 003 System			
Novoperm Orange HL70	Fanchon Orange 36 / 271-6136	Novoperm Orange HL70	Fanchon Orange 36 / 271-6136

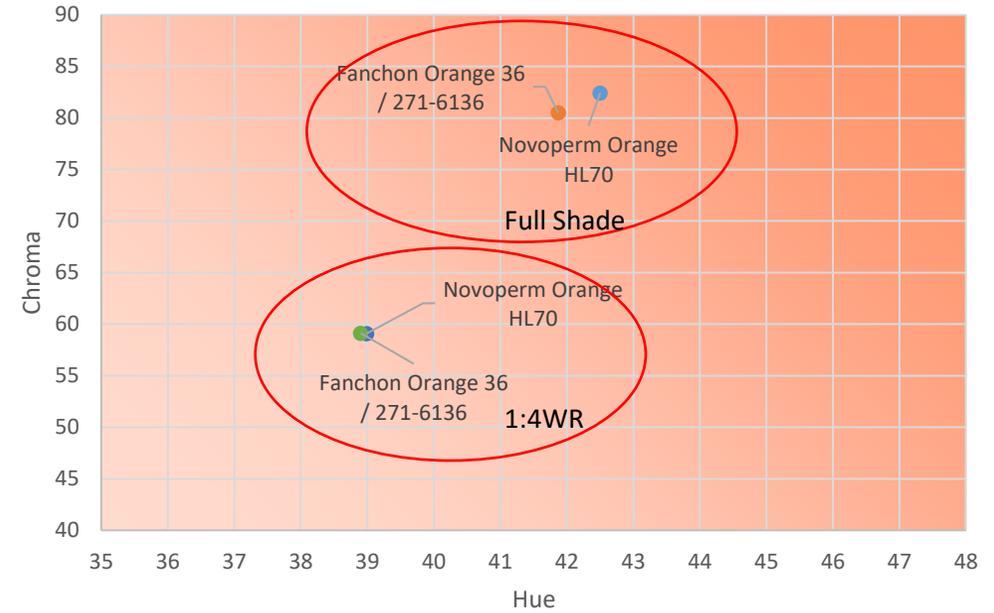
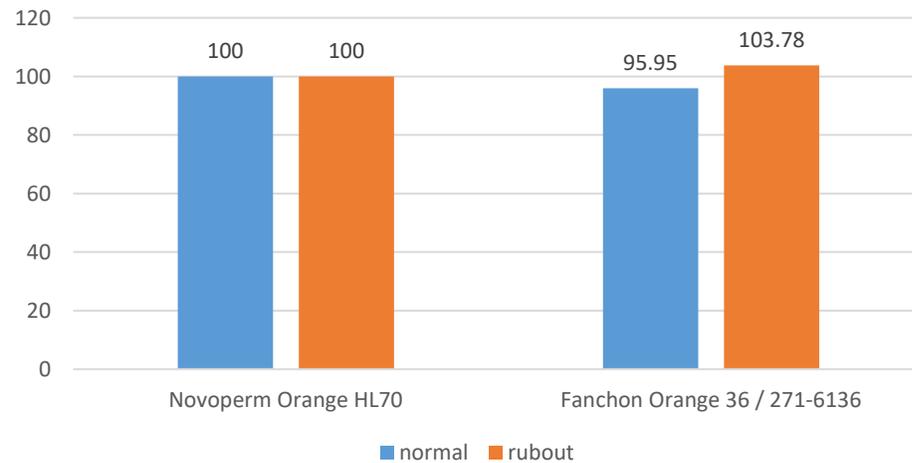
Water-base System			
Novoperm Orange HL70	Fanchon Orange 36 / 271-6136	Novoperm Orange HL70	Fanchon Orange 36 / 271-6136

Coloristic (L003 solvent borne system)

L003 Hiding Power contrast ΔE^*

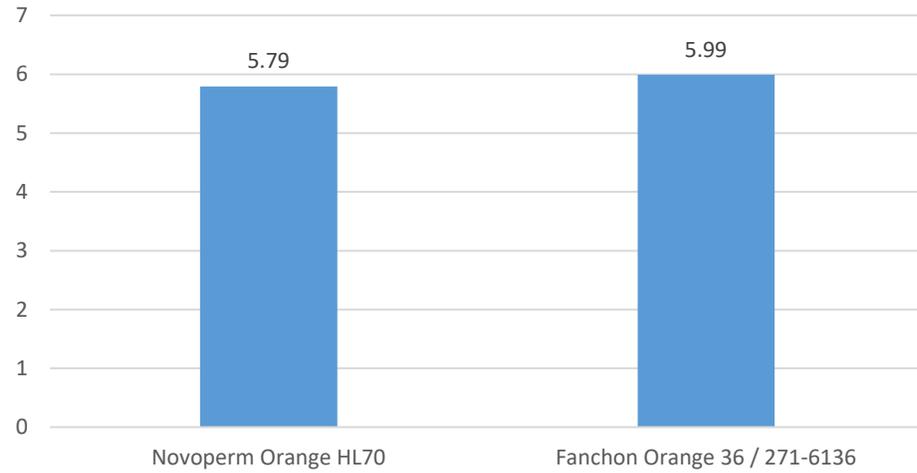


L003 CSrel

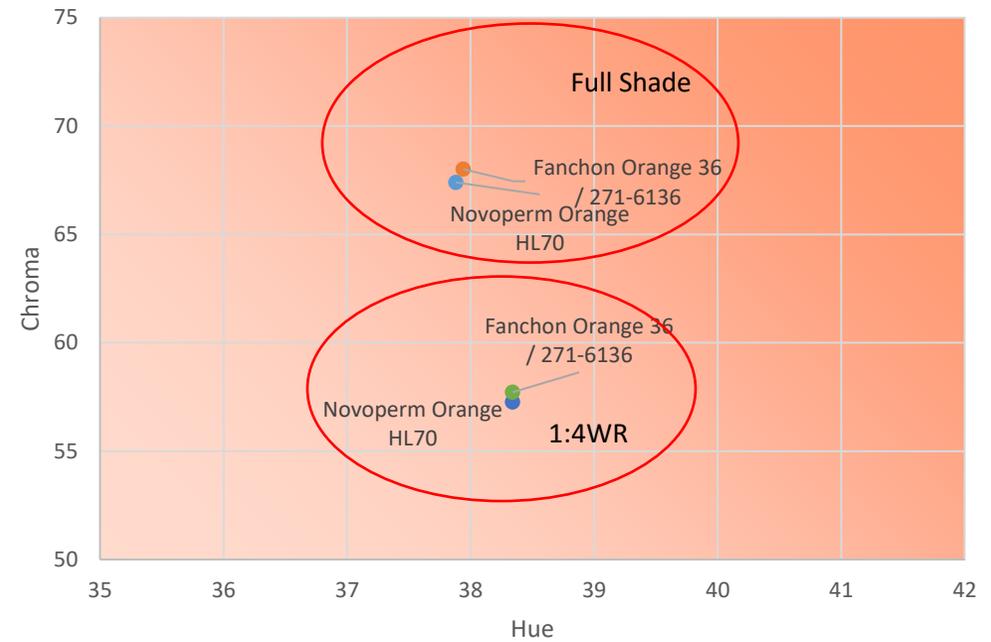
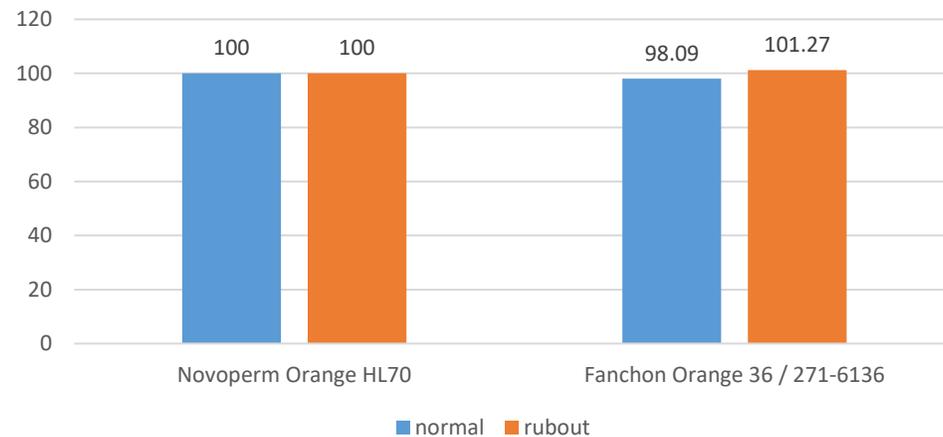


Coloristic (8330 AP WB system)

WB Hiding Power contrast ΔE^*



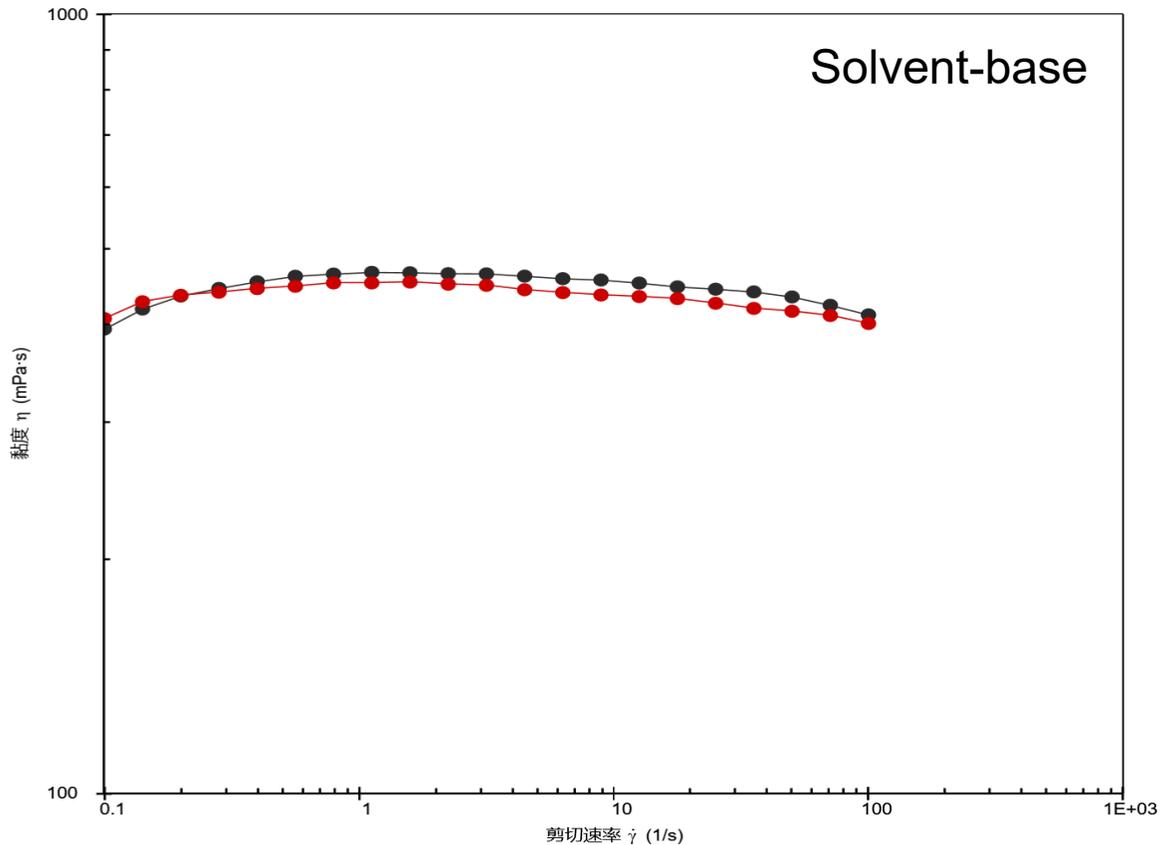
WB CSrel



Rheology



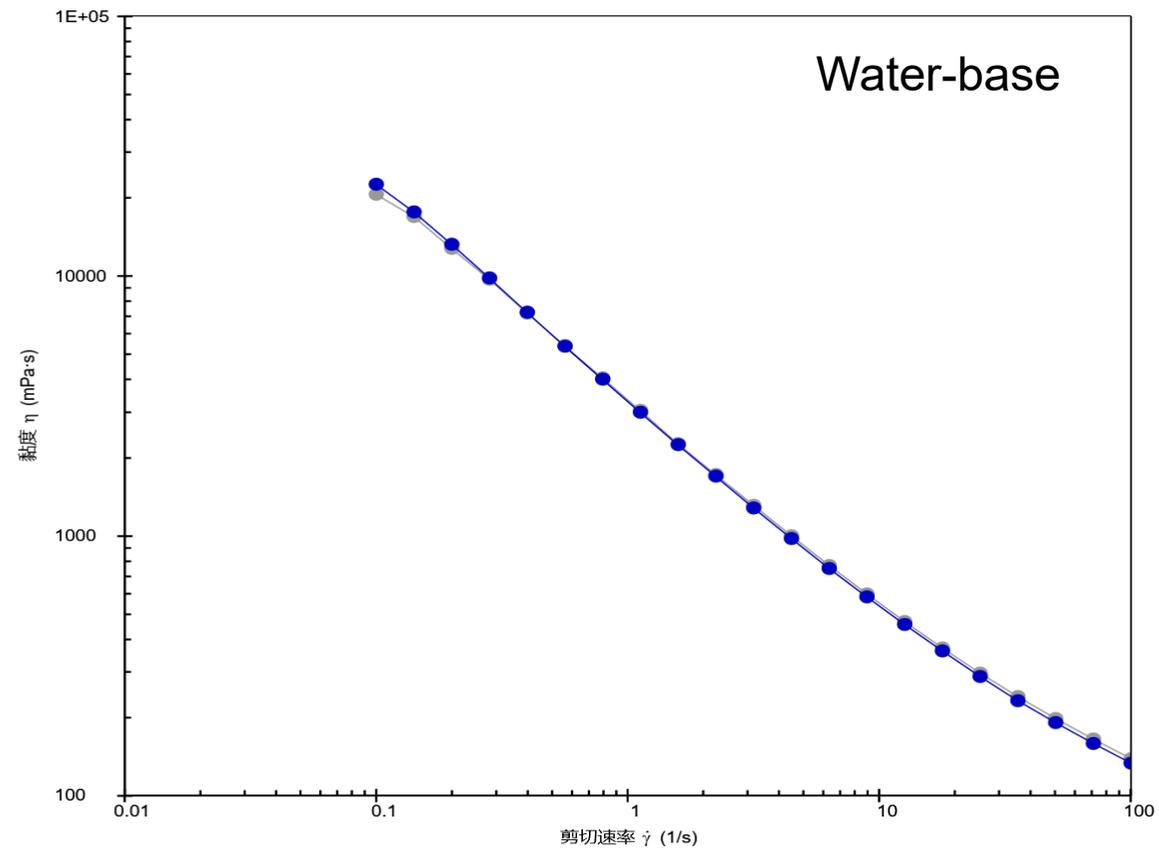
RheoCompass



Fanchon Orange 36/271-6136 SB 黏度 1 CP50-1 SN101599	Novoperm Orange HL70 SB 黏度 1 CP50-1 SN101599
● η	● η

Anton Paar

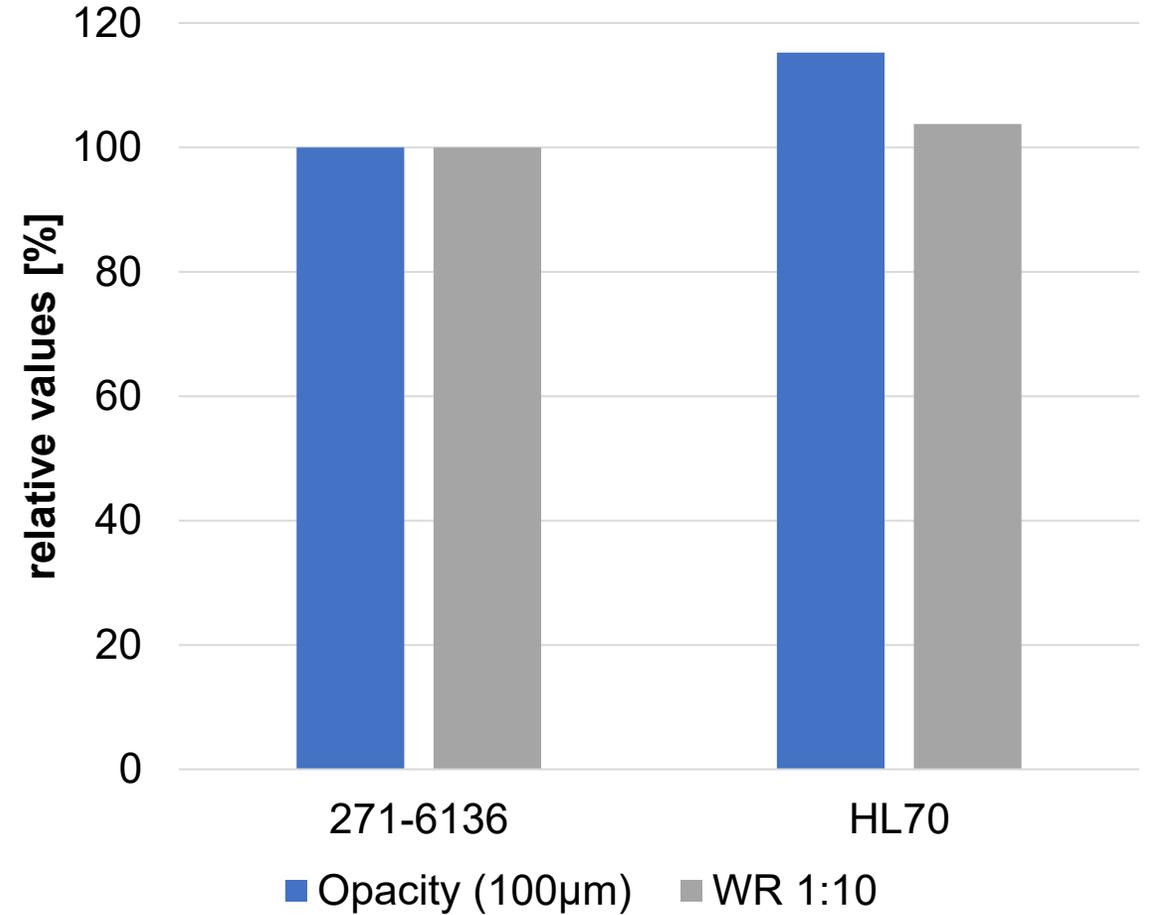
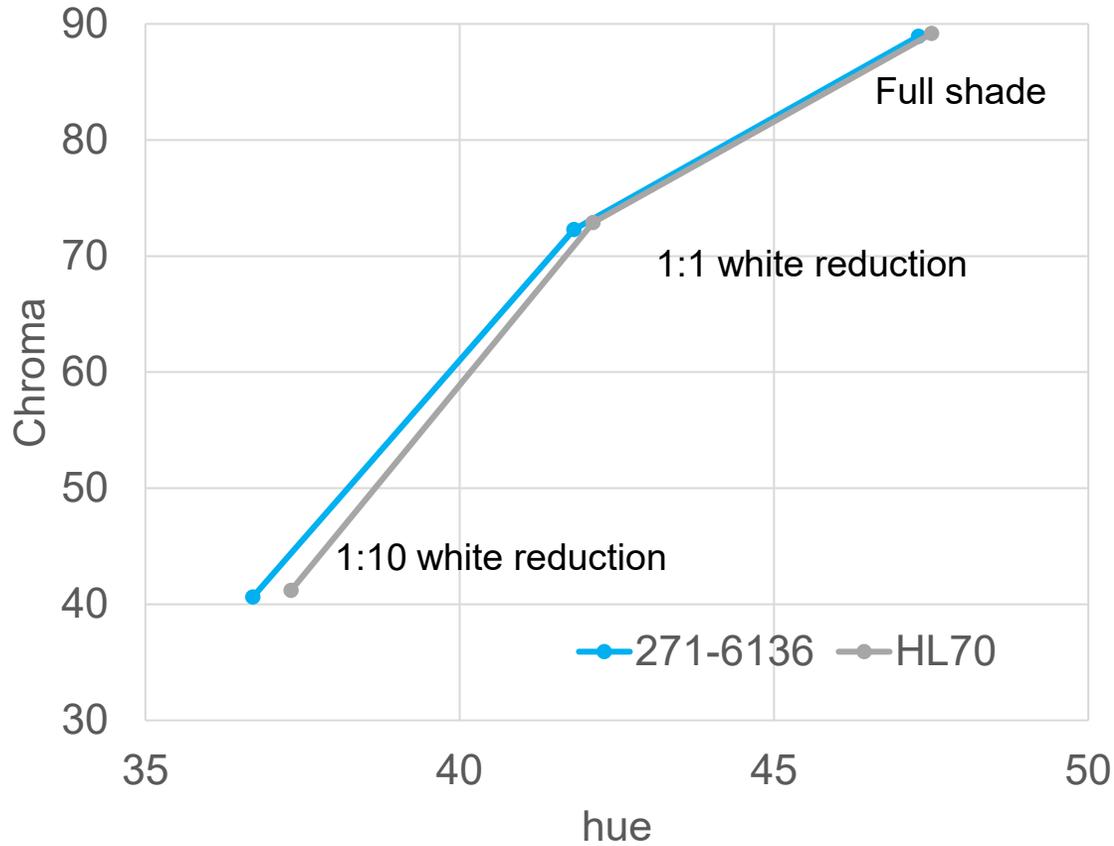
RheoCompass



Fanchon Orange 36/271-6136 WB 黏度 1 CP50-1 SN101599	Novoperm Orange HL70 WB 黏度 1 CP50-1 SN101599
● η	● η

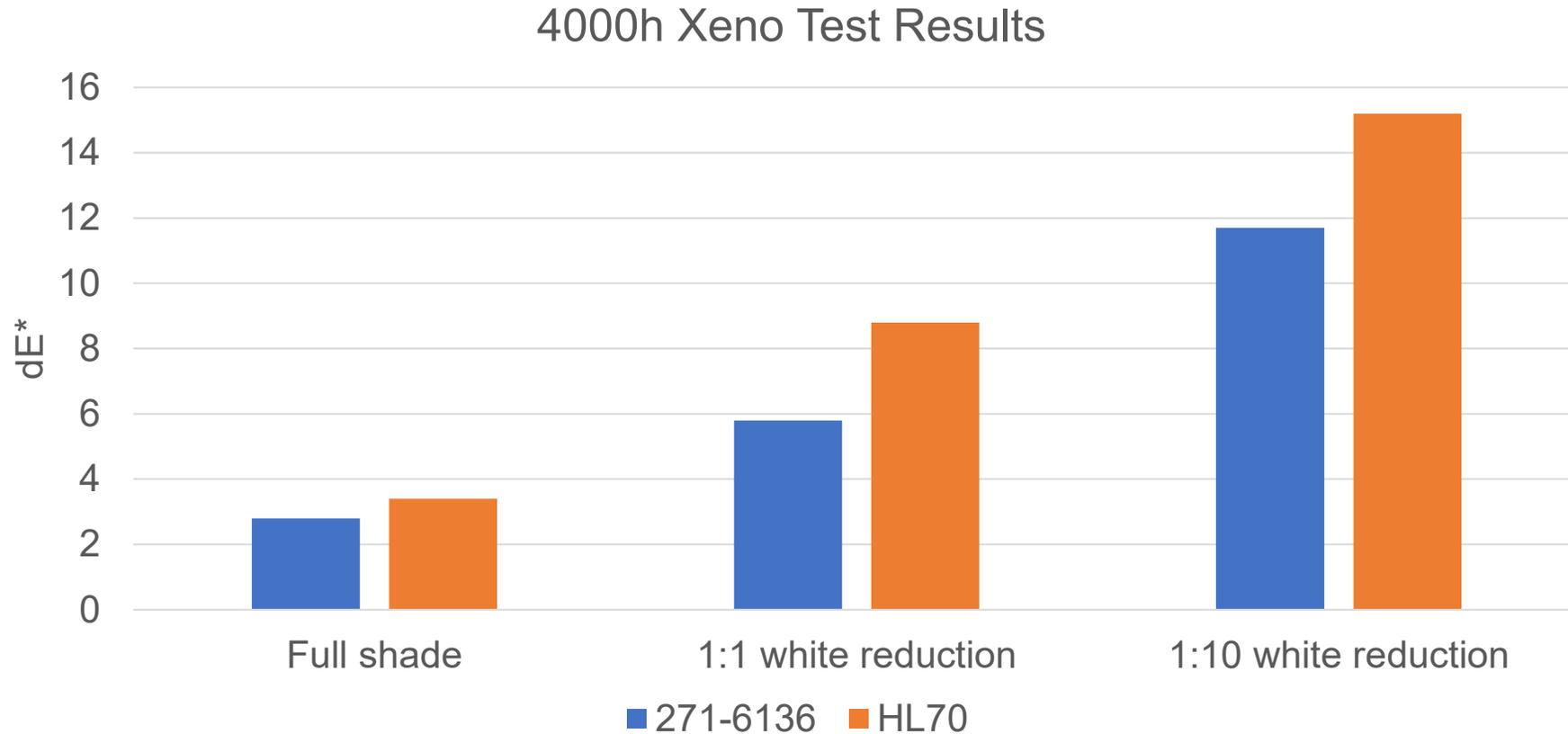
Anton Paar

TS LU / Fanchon Orange 36 / 271-6136; 2K-PU solvent borne



Fanchon Orange 36 / 271-6136 is close to Novoperm Orange HL70. Shade and strength are similar whereas HL70 is slightly more opacity.

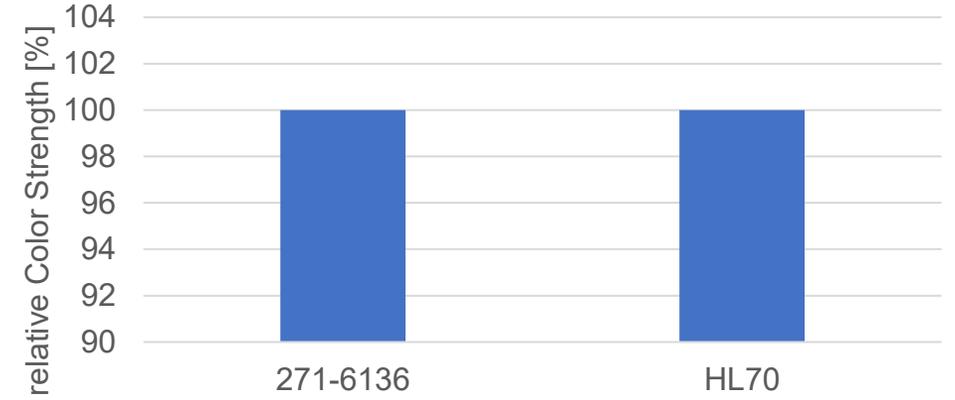
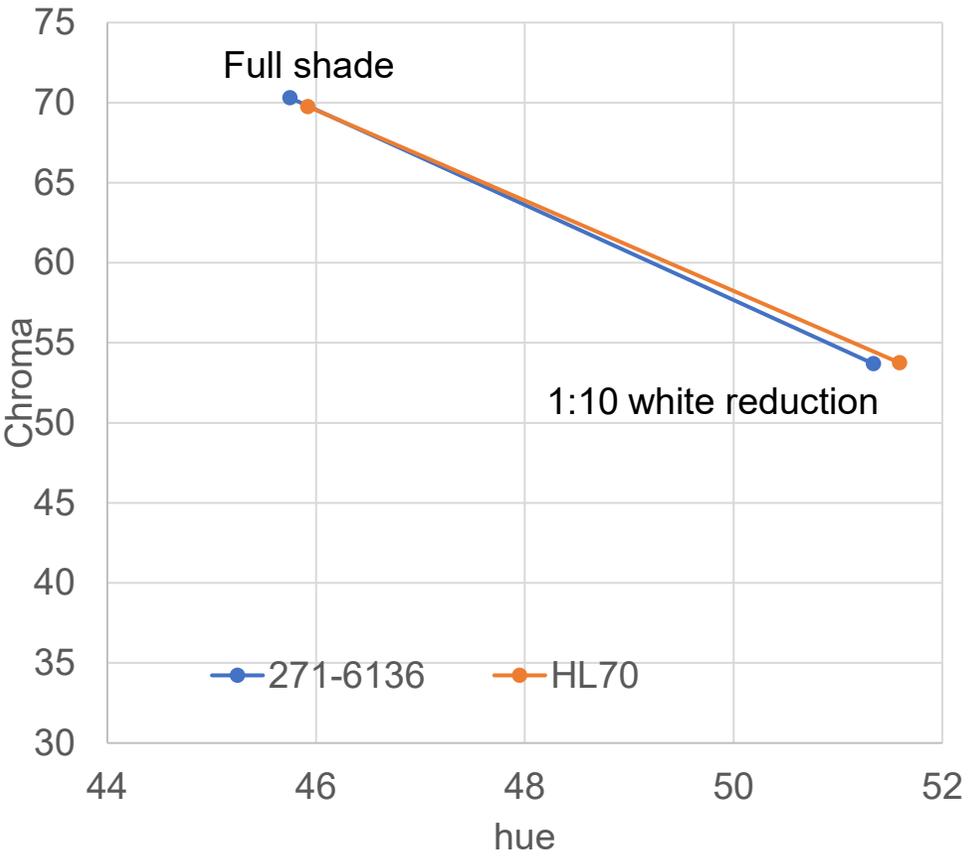
TS LU / Fanchon Orange 36 / 271-6136; 2K-PU solvent borne – Durability Comparison



Fanchon Orange 36 / 271-6136 shows similar or better durability behaviour compared to Novoperm Orange HL70

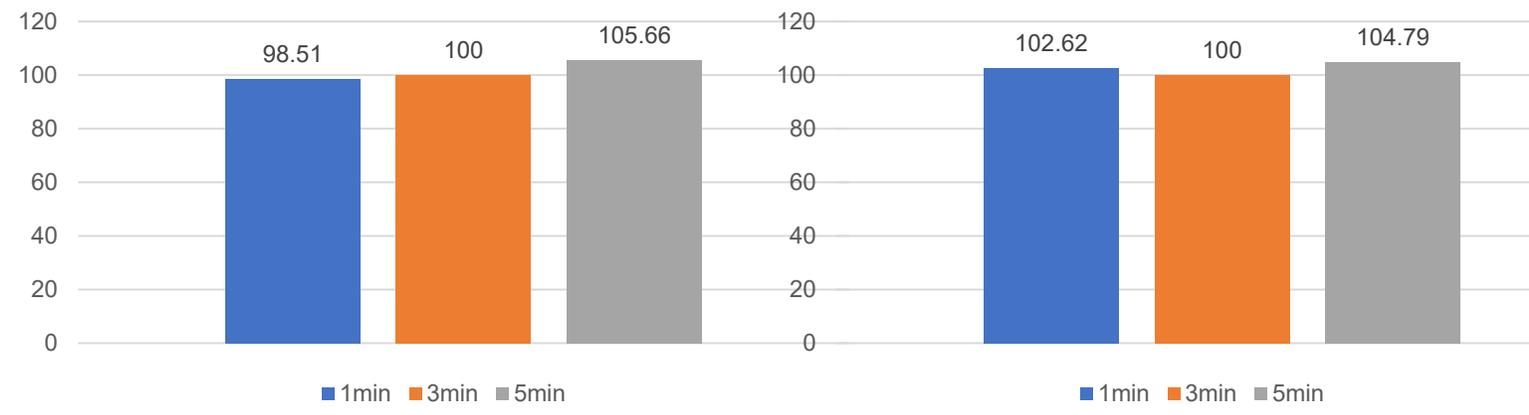
TS LU / Fanchon Orange 36 / 271-6136; powder coatings

Color strength, AV 1:10, 3 min premix



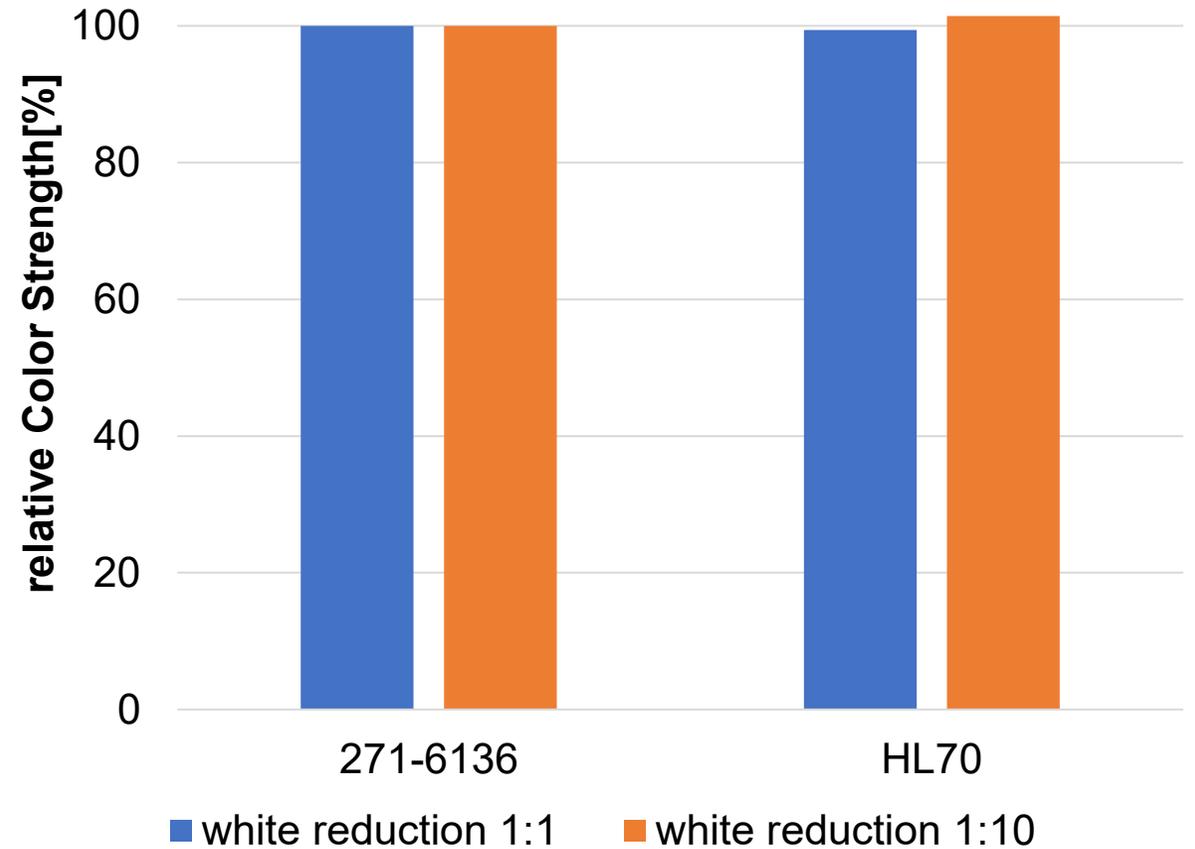
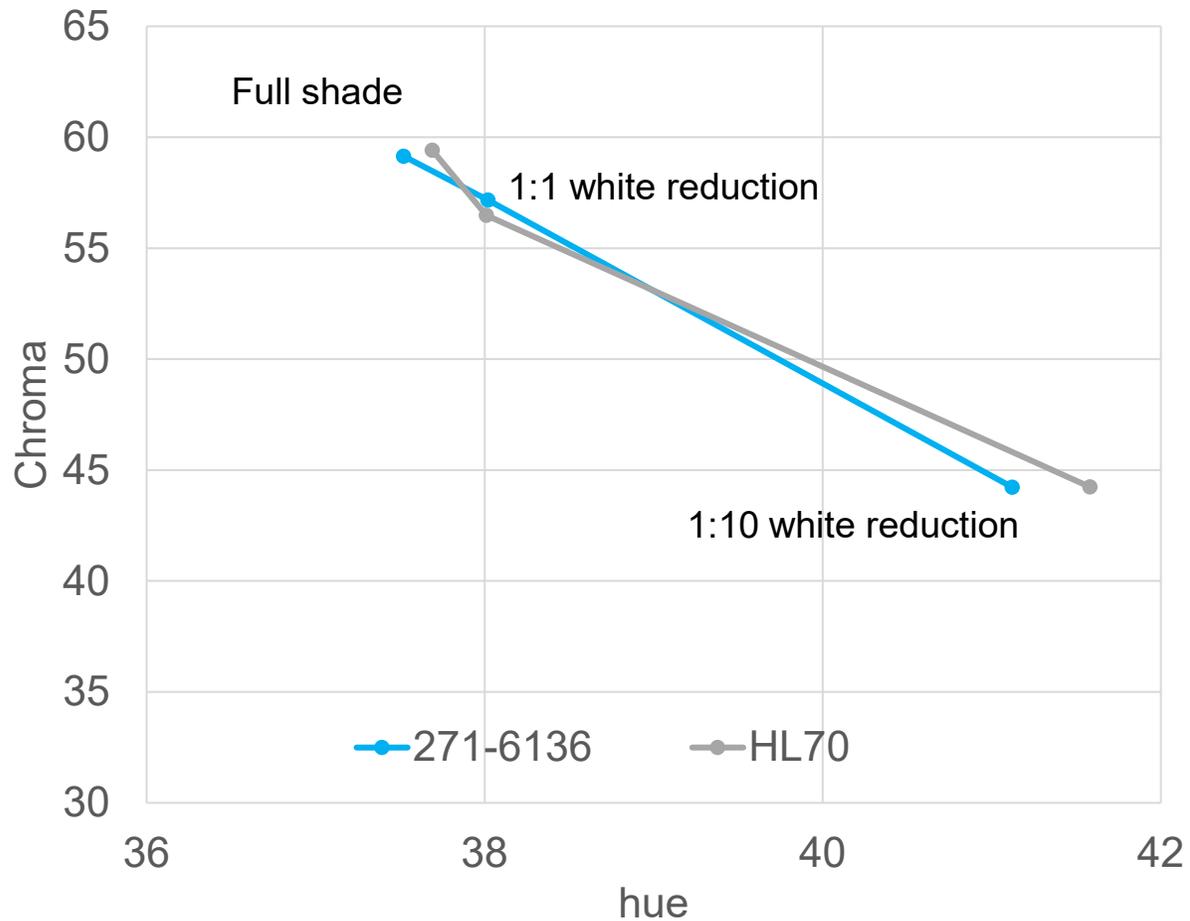
Fanchon Orange 36 271-6136
Color strength development
AV 1:10 spex (0,00)d8°

Novoperm Orange HL70
Color strength development
AV 1:10 spex (0,00)d8°



Fanchon Orange 36 / 271-6136 is very close to Novoperm Orange HL70 in powder coatings – for color, color strength and dispersibility.

TS LU / Fanchon Orange 36 / 271-6136; architectural paint, water borne



Fanchon Orange 36 / 271-6136 is close to Novoperm Orange HL70. Shade and strength are similar.



Test system & condition

- Alkyd / me system
- Dispersing time : 2hr

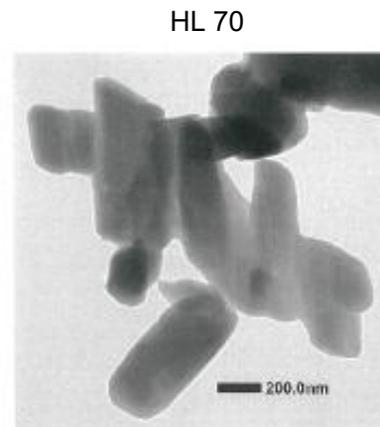
Color measurements

- Transparency (Full shade)
- Full shade (Pig5%, PWC12.5%, DD 10mil wet)
- 1 : 1 TiO2 reduction (DD 6mil wet)
- 1 : 10 TiO2 reduction (DD 6mil wet)

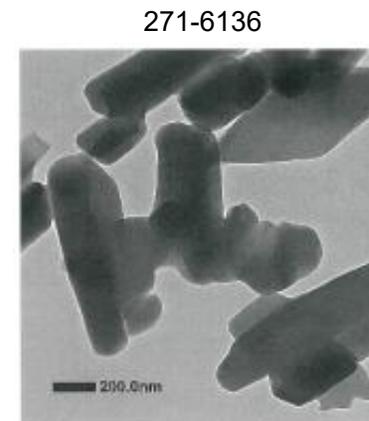
* illum. D65 10- (spex (0,00) d8)

Test sample

- Novoperm® Orange HL 70
- Fanchon® Orange 36 271-6136



specific surface area : 11 m²/g



specific surface area : 9 m²/g

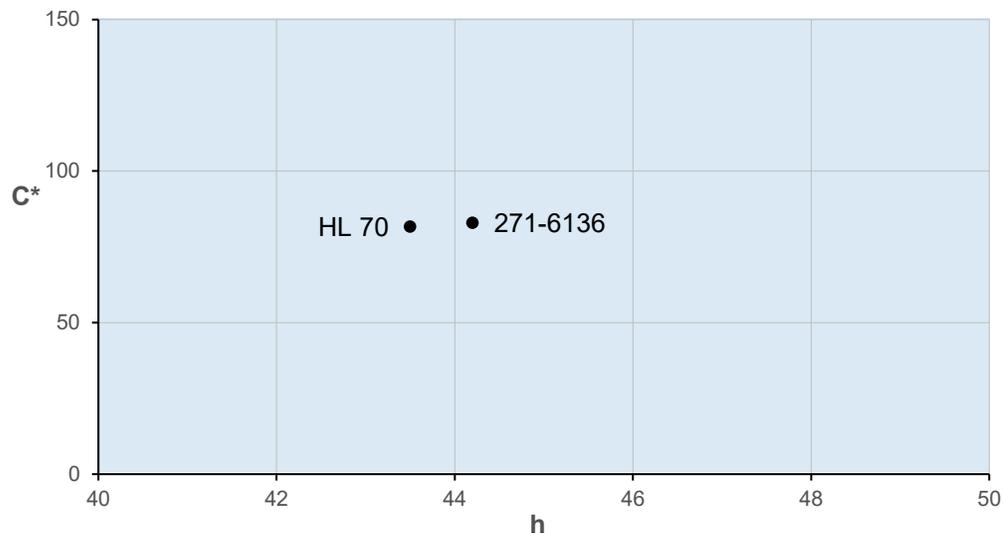
DD Panel photo

Full shade	HL 70	271-6136
1:1 TiO2	HL 70	271-6136
1:10 TiO2	HL 70	271-6136

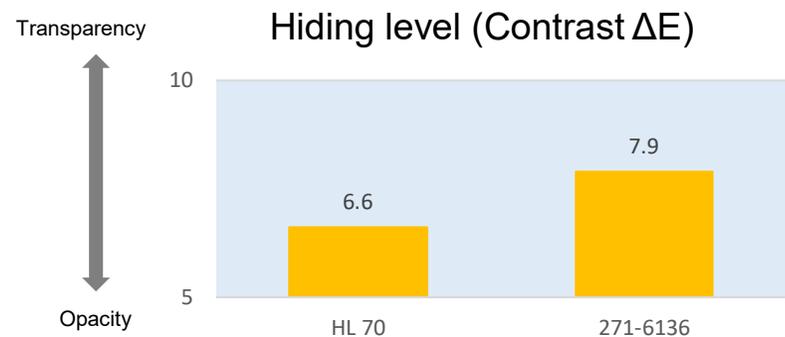
Orange 36 comparison test in alkyd me system _Kashima lab (No 25-005)



Full Shade (on white



Product Name	L*	a*	b*	C*	h	ΔE	Hiding level (contrast ΔE)
Novoperm [®] Orenges HL 70	42.7	59.2	56.1	81.6	43.5	-	6.6
Fanchon [®] Orange 36 271-6136	42.8	59.4	57.8	82.9	44.2	1.7	7.9

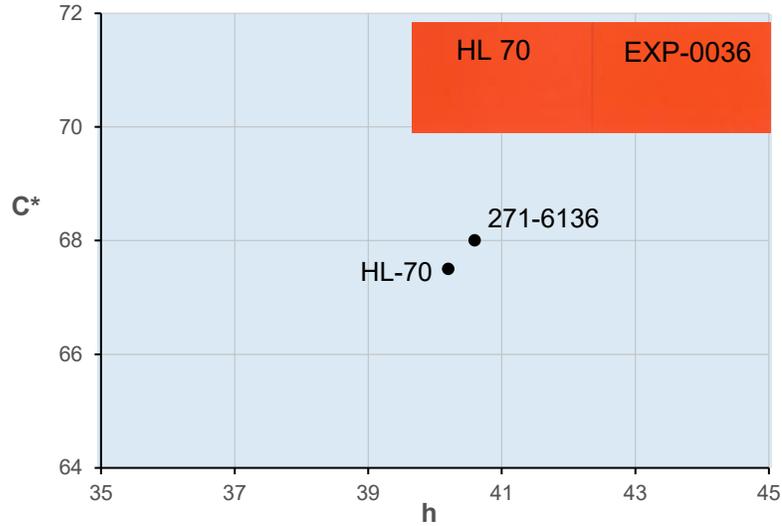


- ✓ 271-6136 shows slightly yellowish vs HL 70.
- ✓ Two items have similar in chroma.
- ✓ Hiding power : Not big difference. (271-6136 has slightly transparency)

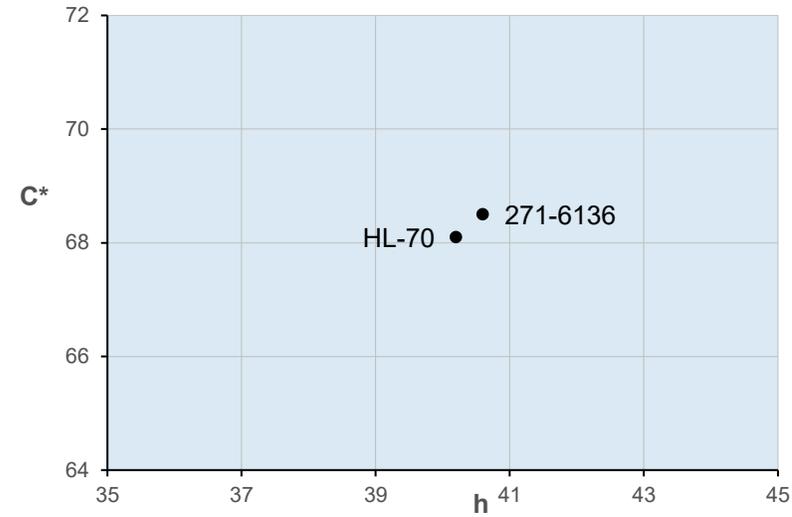
Orange 36 comparison test in alkyd me system _Kashima lab (No 25-005)



1:1 TiO2 reduction



1:1 SD (calculated)



Product Name	L*	a*	b*	C*	h	ΔE
Novoperm [®] Orenges HL 70	52.2	51.6	43.5	67.5	40.2	—
Fanchon [®] Orange 36 271-6136	52.4	51.7	44.2	68.0	40.6	0.7

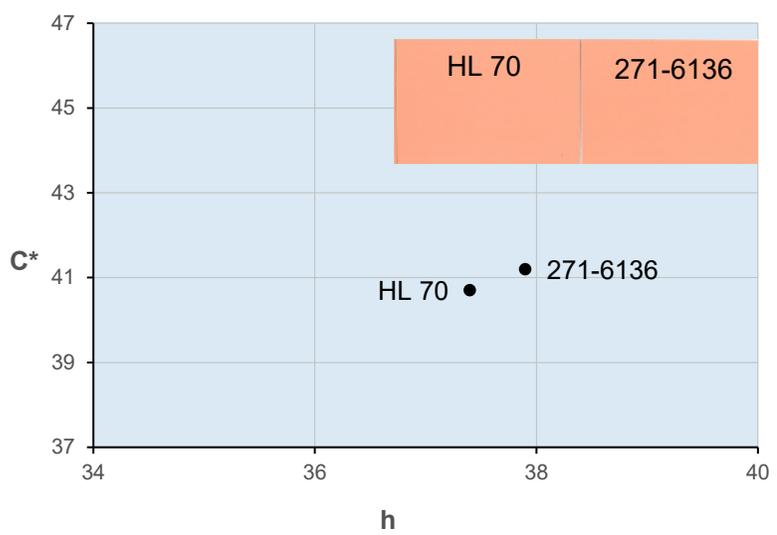
Product Name	L*	a*	b*	C*	h	ΔE
Novoperm [®] Orenges HL 70	51.5	52.0	44.0	68.1	40.2	—
Fanchon [®] Orange 36 271-6136	51.8	52.0	44.6	68.5	40.6	0.7

- ✓ ΔE of 271-6136 against HL 70 is 0.7. Not big difference.
- ✓ 271-6136 shows slightly yellowish position than HL 70.

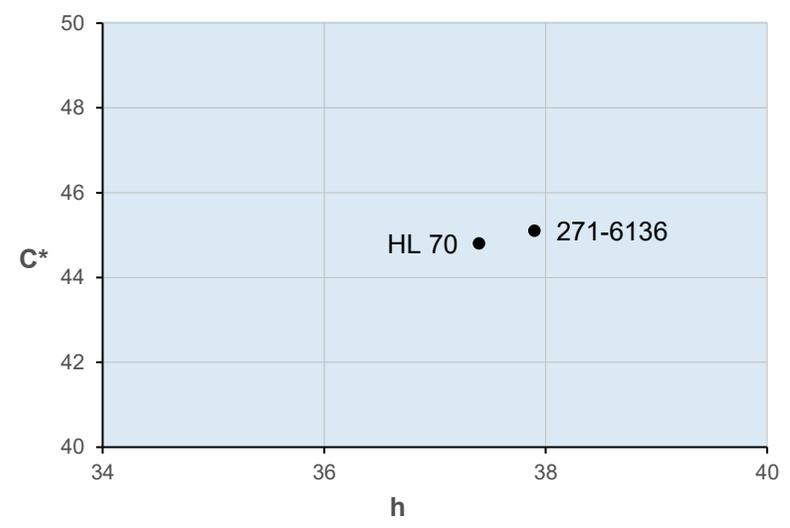
Orange 36 comparison test in alkyd me system _Kashima lab (No 25-005)



1:10 TiO2 reduction

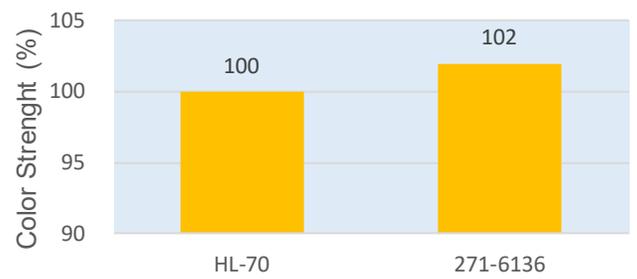


1:3 SD (calculated)



Product Name	L*	a*	b*	C*	h	ΔE	Color Strength (%)
Novoperm® Orange HL 70	69.9	32.3	24.7	40.7	37.4	-	100
Fanchon® Orange 36 271-6136	70.0	32.5	25.3	41.2	37.9	0.6	102

Product Name	L*	a*	b*	C*	h	ΔE
Novoperm® Orange HL 70	66.7	35.6	27.2	44.8	37.4	-
Fanchon® Orange 36 271-6136	66.9	35.6	27.7	45.1	37.9	0.6



- ✓ ΔE of 271-6136 against HL 70 is 0.6. Not big difference.
- ✓ 271-6136 is similar in chroma vs HL 70 but slightly yellowish.
- ✓ Color Strength : 271-6136 > HL 70



Color & Comfort



SunChemical[®]

a member of the DIC group



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