



VINAVIL[®]
Your Partner in Polymers

VINAVIL 4550

VINAVIL 4550 is a water-based VeoVa™ copolymer emulsion developed for the architectural paints market. Paints formulated with VINAVIL 4550 feature excellent scrub resistance, alkali resistance and other desired properties at high PVC levels.



The main characteristics of paints formulated with VINAVIL 4550 are:

- High scrub resistance
- Excellent alkali resistance
- Superior water resistance
- Better hiding power and pigment binding at higher levels
- Excellent rheology behavior achieving high sag resistance in paint
- Cost-effective in paint formulations

APPLICATIONS

VINAVIL 4550 is suitable for formulating interior/exterior wall paints and coatings at various PVC and has excellent overall application and performance properties in both thin and thick coats.

VINAVIL 4550

Typical Values

Solids content	52%
Brookfield viscosity	600 cps
pH	6.0
Minimum film-forming temperature	+13°C
Glass transition temperature	+24°C

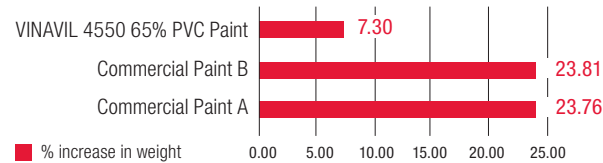
Guideline Formula

FLAT White paint 65 PVC

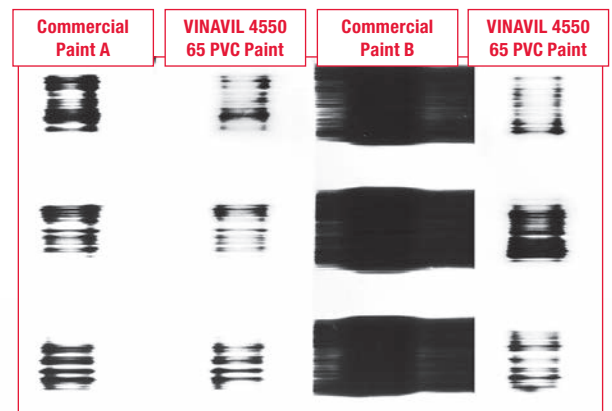
Commercial Name	WT %
Water	16.82%
Natrosol Plus 330PA	0.26%
Propylene Glycol (PG)	0.40%
AMP-95	0.08%
Tamol 165A	1.60%
Triton CF-10	0.24%
Drew T-4507	0.08%
TSPP	0.08%
Attagel 50	0.40%
Kronos 2310	16.03%
Minex 4	18.03%
Mattex PRO	11.61%
Water	1.60%
Celite 499	2.00%
Water	4.53%
VINAVIL 4550	20.02%
Ropaque Ultra E	3.84%
Drew T-4507	0.12%
Texanol	0.72%
Optifilm 400	0.14%
Tergitol NP 13	0.16%
Proxel AQ	0.12%
Polyphase 678	0.28%
Aquaflow NHS-310	0.82%
RM-895	0.02%
Total	100.00%

Water Absorption Test

% increase in weight after 7 days soak test



Scrub Resistance



Scrub Test Environment	Commercial Paint A	VINAVIL 4550 65 PVC paint	Commercial Paint B	VINAVIL 4550 65 PVC paint
Panel 1-2 Average Cycle	417.5	466	27.88	419.25
% Avg Cycle	89.59	Control	6.65	Control

Alkali Resistance



VINAVIL 4550 formulated paint offers higher alkali resistance in 7 days – 5% alkali solution soak test.

Dirt Pickup Resistance

VINAVIL 4550 based paint shows better dirt pickup resistance.



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