

POLIVA GR-55

POLIVA GR-55 is a medium particle size dispersion of vinyl acetate /veova copolymer emulsion, which is designed for use in a wide variety of decorative paints and surfaces finishing.

Paints based on **POLIVA GR-55** have improved wet scrub resistance, exterior durability and alkali resistance. In addition they are marked by excellent flow and outstanding stability over long storage time. **POLIVA GR-55** has in general very high compounding stability and may be blended with dry pigments and extenders in .the formulation of high build coatings

Recommended applications:

- 1 - High quality, general purpose paints .
- 2 - Semi gloss interior paints .
- 3 - Durable paints for exterior masonry .
- 4 - Low cost, highly extended interior paints.

Specifications:

Viscosity at 25°C (Brookfield viscometer, SP # 4, rpm 20)	2000- 4000 cps
Total Solids content, %	53 ± 1
pH	4-5
Dispersing system	anionic/non-ionic
Free Monomer	0.1% max.
Particle Size	0.1 micron (max)
MFFT	9 °C
Specific Gravity of Emulsion @ 25°C	1.03 gm/cm³

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FORMULATING NOTES

COALESCING SOLVENTS

All conventional coalescent solvents could be used successfully with **POLIVA GR-55** though the optimum level will vary for each solvent. The level of coalescent included has a marked influence on the scrub resistance of the system. It is considered essential to allow sufficient conditioning time before testing since any solvent retained in the film may create a misleading impression of wet abrasion resistance and consequently resin binding power.

THICKENERS:

Traditional thickening agents may be used for viscosity modification of paints based on **POLIVA GR-55**, like HEC, urethanes or acrylic thickeners.

PIGMENTS:

The choice of titanium dioxide is apparently unrestricted since various grades, both heavily-coated and general purpose, performed to a similar degree in terms of scrub resistance.

GENERAL COMMENTS:

In addition to high wet scrub resistance **POLIVA GR-55** also confers slight improvements to opacity and whiteness compared to styrene acrylic binders.

POLIVA GR-55 characterized by UV and alkali resistance so there is no risk in using it with high PVC paints or in outdoors applications.

Please stir well before use.