

POLIVA GR

Characteristics:

Water based copolymer emulsion based on Vinyl Acetate / Veova10. It is suitable for the production of paints with high PVC, decorative paints, granite and graffiato applications because it has very good durability and excellent weathering resistance.

Stabilizing system:

Anionic / non-ionic

Principle Properties:

- Strong binding power.
- Very good washability even at high PVC values.
- Excellent flexibility.
- Plasters and texture coatings

Applications:

- Granite & Graffiato applications
- Superior interior and exterior emulsion based paints with extended wet scrub and alkali resistance.
- Matt and semi-gloss paints.
- Low cost highly extended interior paints.

Physical Properties:

Test	Value	Unit
Solid contents	50±1	%
Viscosity at 23 °C, sp 4 Brookfield viscometer RVT 20 rpm	2000-4000	mPa·s
pH	4 - 6	-
Density	1.05 ± 0.02	g/cm ³
Freeze-thaw stability	Excellent	
Particle size	approx. 0.2 – 0.7	um
Stabilizing System	anionic / non-ionic	
M.F.F.T.	3 - 4	°C
Film appearance	Clear, glossy	-

Processing notes:

Pigmenting can be done in the normal way by mixing the pigments and extenders with the usual additives and water in a paste. Addition of a dispersing agent in small amounts in combination with sodium hexametaphosphate or tripolyphosphate is strongly recommended. The polymer dispersion should be added only after the required degree of grinding has been achieved.

Incorporation of good coalescent solvents like Texanol (Eastman) will yield better results in film washability.

Many thickeners are used to adjust the desired viscosity of the paint and to improve its processability. Very good results are achieved by employing cellulose ethers with retarded swelling and medium to high molecular weight. Also urethane and acrylic thickeners can be used.

A lot of commercially available defoamers can be included in order to prevent excessive foaming in the paints, trials must be carried out to determine the most suitable grades and the correct concentration.

Organic pigments should be tested for their suitability for exterior paints, especially in the case of pasted tones.

Storage and stability:

POLIVA GR is stable for at least 1 year when stored between +5 and +40 °C

Do not store latex under freezing condition. When containers are open they should be used as soon as possible or be resealed to prevent drying up.

Industrial Safety and Environmental Protection:

Not hazard Substance according to the current dangerous substance regulations.

A safety data sheet is available upon request.