

ORGAL[®] PR 650

Acrylic Polymer for Low VOC Capable Stain Blocking Coatings

1/20

INTRODUCTION

Orgal PR 650 is an APEO and zinc oxide free, acrylic polymer developed for the formulation of very high quality stain-blocking primers for wood, walls, ceilings and metal surfaces. It is possible to formulate low VOC products according to EU Directive 2004/42/CE, since the polymer has good low temperature coalescence performance.

TYPICAL PROPERTIES

Appearance	Opal white emulsion
Solid Content % \pm 1	50
Viscosity (Brookfield LVT 3/60)	200 – 1200 cps
pH	8.0 - 8.5
MFFT	< 3 °C
T _g	-1 °C
Storage Stability	Protect from freezing

APPLICATION PROPERTIES

Orgal PR 650 is suitable for interior tannin/stain blocking primers, wood primers, primer undercoats, and primers with flash and early rusting resistance on metal surfaces. **Orgal PR 650** can be used in the formulations without additional zinc oxide as stain blocking agent, however, if zinc oxide is used in the formulation, it is compatible with the zinc oxide also.

- Excellent stain-blocking property
- Excellent adhesion on wood
- Resistance to flash rusting
- Compatible with zinc oxide and a variety of fillers and pigments

PRODUCT HANDLING – STORAGE – SHELF LIFE

To ensure safe storage of this emulsion, containers should be well sealed to prevent the water evaporation and skin forming. The emulsion must be stored between 5-25°C for a maximum of 12 months and freezing must be avoided.