

ORGAL[®] F 4530

Acrylic Copolymer

2/18

INTRODUCTION

Orgal F 4530 is an APEO-free, self-crosslinking acrylic copolymer which is designed for hard and chemical resistant interior wood coatings. Coatings based on **Orgal F 4530** are highly durable and show good film transparency, gloss and toughness. **Orgal F 4530** is suitable for both clear and opaque interior wood topcoats and primers/sealers.

TYPICAL PROPERTIES

Appearance	Opal white emulsion
Solid Content % \pm 1	43 \pm 1
Viscosity (Brookfield LVT 2/60)	400 cps max
pH	8.0 - 9.0
MFFT (°C)	26 \pm 1
Storage Stability	Protect from freezing

APPLICATION PROPERTIES

Orgal F 4530 can coalesce at the required hardness by the addition of suitable coalescents. Among suitable coalescents are Dowanol DPnB, Dowanol DPM, Butyl Glycol or Dowanol PnB. Recommended blends are BG / DpnB or DPM / DpnB, a good starting amount is 4-5% on binder as supplied. For the optimum amount ladder studies are strongly recommended.

Coatings based on **Orgal F 4530** have

- Excellent early block resistance and hardness development.
- Excellent sandability
- Fast drying
- Excellent household chemical resistance; especially with water, acetone, ammonia and ethanol.

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.