

ORGAL[®] K 6459 E

UV Curable Elastomeric Acrylic Polymer

1/09

INTRODUCTION

Orgal K 6459 E is an APEO free pure acrylic polymer produced with UV crosslinking technology. **Orgal K 6459 E** can be used to formulate elastomeric wall coatings with an outstanding exterior durability, having excellent low temperature flexibility, early tack resistance and long term dirt pick-up resistance needed for exterior masonry paints. **Orgal K 6459 E** does not yellow at UV exposure

TYPICAL PROPERTIES

Appearance	White liquid
Solid Content % \pm 1	55
Viscosity (Brookfield RVT 2/30)	1.000 cps max
pH	7.5 - 8.5
MFFT (°C)	< 0
T _g (°C)	- 35
Storage Stability	Protect from freezing

APPLICATION PROPERTIES

Orgal K 6459 E with excellent UV and crack resistance, outstanding balance of elongation, tensile strength and dirt pick-up resistance over a wide temperature range is suitable for formulation of textured topcoat, elastomeric wall coatings, roof mastics and semi-flexible masonry paints. For a good application surface preparation should be done. The substrate should be clean, contain no biologic degradation and not have cracks higher than 2 mm.

- Excellent UV curability, dry film tack free
- Excellent dirt pick-up resistance
- Very low water absorption
- Water vapor permeable
- Adhesion over a variety of substrates
- Internally plasticized, eliminates the need for external plasticizer

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.