

Acronal[®] 4624

Chemical Nature **Aqueous acrylate copolymer dispersion for mortar modification – non-APEO.**

Properties

Typical Properties	Solids content, weight	%	~ 47
	pH		~ 9.5
	Viscosity at ~ 73 °F (Brookfield RV, Spindle #4, at 50 rpm)	cps	~ 40
Other properties of the dispersion	Density	lbs/gal	~ 8.8
	Dispersion type		Anionic
	Compatibility with Mortar/cement		Excellent
	Freeze-Thaw Stability (0°F or -18°C)		5 cycles
Properties of the film	Appearance		Clear, transparent
	Surface		Non-tacky
	Glass transition temperature T _g (DSC)	°C	~ 11

* These typical values should not be interpreted as specifications.

Application

Fields of application

Acronal 4624 is recommended for use in mortar based applications (e.g., repair, patching and adhesives). Acronal 4624 latex tested “as-is” or in water diluted admixtures yields 5 cycles of freeze-thaw resistance and rapid thaw character. Compositions formulated with Acronal 4624 show excellent mortar compatibility and workability as well as good pot life and rapid set time. Well formulated polymer modified mortars including Acronal 4624 maintain homogeneous consistency in the wet state and crack free appearance with good compressive strength in the hardened state.

Mortar compositions modified with Acronal 4624 exhibit better adhesion, flexural and tensile strengths, and show increased resistance to water permeability relative to unmodified mortars.

Processing

If additional antifoam is required in admixtures or mortar compositions employing Acronal 4624, it is advisable to carry out trials with FoamStar[®] ED 2522, Foamaster[®] MO NXZ NC or the like.

In order to achieve desired shelf-life stability on prolonged storage, it is advisable to add a small proportion of suitable preservative (biocide) to the formulations containing Acronal 4624. The suitability of the preservative must be determined by prior trials and checked at regular intervals.

General

Safety

Safety Data Sheet

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

All safety information is provided in the Safety Data Sheet for Acronal 4624.

Storage

Please refer to our “Handling and Storage of Polymer Dispersions” brochure

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