

Acronal® 4624

Chemical Nature

Aqueous Acrylic Dispersion for Mortar Modification

Properties

Typical Properties

Solids content	%	47.0 – 49.0
pH		9.0 – 10.0
Viscosity at 73 °F (Brookfield RV, Spindle #2, at 100 rpm)	mPa s	~ 60

Other properties

Density at 23 °C	lbs/gal	8.8
Type of dispersion		anionic
Compatibility with mortar/cement		Excellent
Freeze-Thaw Stability (0 °F or -18 °C)		5 cycles

* The above values shouldn't be taken as specification

Applications

Features

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 excellent 5 cycle freeze-thaw resistance and rapid thaw character. Compositions formulated with Acronal® 4624 show excellent mortar compatibility, flow, spreadability, and trowelability, as well as good pot life, high temperature open time and rapid set time. Well formulated polymer modified mortars including Acronal® 4624 maintain homogeneous consistency in the wet state (i.e., no liquid phase separation) and crack free appearance with good compressive strength in the hardened state.

Mortar compositions modified with Acronal® 4624 typically exhibit better adhesion, flexural and tensile strength, and show increased resistance to water permeability when compared 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 or similar defoamers.

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.

Safety

General

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.

Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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