

Acronal[®] 4810

Chemical Nature

Aqueous acrylate-acrylonitrile copolymer dispersion for the manufacture of flooring adhesives and sealants

Properties

Typical Properties

Solids content	%	~ 60.0
Viscosity at 23 °C (Brookfield RV, Spindle #4, at 20 rpm)	cps	~ 3000
pH value		~ 5.0

Application

Fields of application

Acronal 4810 is used in the production of construction adhesives, pressure-sensitive adhesives, flooring adhesives and sealants. It is typically used in flooring adhesives for PVC and other floor coverings where superior plasticizer resistance is required. Acronal 4810 based flooring adhesives can be formulated to be removable, making it attractive for carpet tile and vinyl tile applications.

Acronal 4810 is used for dispersion-based pressure-sensitive adhesives provided that the adhesive is applied in amounts ranging from 20 - 80 g/m², depending on the end use application. Another field of application is in the manufacture of dispersion-based sealants for connection joints and expansion joints with an expansion of up to 15%.

Processing

Acronal 4810 exhibits self-thickening when neutralized to pH levels above approximately 7.5, resulting in potential thickener cost savings.

We recommend adding a preservative to adhesives and sealants that contain Acronal 4810 to protect them from microbial attack, particularly if their pH lies in the neutral range. The suitability of such additives must be verified and monitored in trials. Commercially available antifoams are suitable for suppressing foam. The amount required must be determined in trials, though usually 0.05 - 0.2%, expressed in terms of the adhesive, is sufficient.

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.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Acronal 4810.

Storage

Storage should be in accordance with the "Handling and Storage of polymer dispersions" brochure. Technical information regarding the storage of BASF polymer dispersion products is available upon request.

Important

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