

Celvolit® 1214

Technical Data Sheet

Effective Date: 15.04.2022

Characteristics

Celvolit® 1214 is a polyvinyl alcohol stabilized, vinyl acetate ethylene copolymer (VAE) emulsion. It is an excellent binder for formulations with high pigment and filler loading.

Celvolit® 1214 exhibits excellent adhesion to a variety of substrates. Dried films of this VAE are flexible without external plasticizers, exhibits improved water resistance when compared to the conventional polyvinyl acetate homopolymers.

Industries

Celvolit® 1214 is a liquid emulsion polymer binder for the Building & Construction industry. This VAE is commonly used for ready-mix tape joint compounds and similar applications.

Why Celvolit® 1214?

- Very good adhesion, workability and sandability when used in ready-mix tape joint compounds
- Good water resistance
- Very good mechanical stability

Performance may vary depending on your formulation. Please contact our Application Technology Group to assist you.

Supply Specification	Adjusted Standard*	Unit	Value
Solids content (130 °C; 30 min)	ISO 3251	%	54.5 – 56.5
Brookfield viscosity (25 °C; 3/20)	ISO 2555	cps	1800 – 2700
pH value	ISO 976		4.0 – 5.0

Further Typical Properties	Adjusted Standard*	Unit	Value
Minimum film forming temperature (MFFT)	ISO 2115	°C	+5
Glass transition temperature	ISO 16805	°C	+11
Specific gravity		Lbs./gal	9.0

* Standard adjusted to Celanese method. Further details regarding the test method can be made available on request.

Guidelines for Preservation and Storage

The dispersion contains some initial biocides to impede attack by microorganisms.

In order to protect the product appropriately against microbiological attack after the first opening and storage thereafter in opened drums, tanks or other storage facilities, please consider adding a suitable preservative. All tanks and pipework should be kept adequately clean. For bulk storage, regular stirring is common practice.

Celvolit® 1214 has a minimum shelf life of 6 months from the dispatch date in its original unopened packaging, provided the product is stored hygienically at temperatures between 5 and 35 °C, avoiding frost and direct sunlight.

Skins and agglomerates can form during transport and subsequent storage of the dispersion due to its film forming nature. A filtration or sieve process is recommended before further processing.

Product Safety, Regulatory Status and Environmental Protection

Please employ the usual protective measures while handling aqueous polymer emulsions. Further product safety or regulatory information can be obtained from our safety data sheets at celanese.com/sds-search and our regulatory data sheets which are available on request.

As of its effective date, this Technical Data Sheet supersedes and is in lieu of all former Technical Data Sheets of Celvolit® 1214 and TufCOR® 1214.

This information is based on our present state of knowledge and is intended to provide general notes on our products and their possible uses. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. It should therefore not be construed as an expressed or implied warranty of specific properties of the products or for its suitability for a particular use. Any existing industrial property rights must be observed. The quality of our products is governed by our General Conditions of Sale. In every case we urge and recommend that purchasers before using any product in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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