

Celvolit® 3640

Technical Data Sheet

Effective Date: 15.04.2022

Characteristics

Celvolit® 3640 is a polyvinyl alcohol stabilized, polyvinyl acetate ethylene (VAE) copolymer emulsion designed to provide a unique combination of properties suitable for a variety of end applications.

Celvolit® 3640 is not only suitable for dust control, it has also been used in landscape adhesives for stabilization of mulch and other materials commonly used for landscaping. In addition, this VAE can be used to formulate concrete bonding primers as well as general purpose construction adhesives.

Why Celvolit® 3640?

- Good water resistance
- Provides good wet tack and set speed
- Excellent mechanical stability

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

Industries

Celvolit® 3640 is an emulsion polymer binder for the Building & Construction industry.

Supply Specification	Adjusted Standard*	Unit	Value
Solids content (130 °C; 30 min)	ISO 3251	%	54.5 – 56.5
Brookfield viscosity (25 °C; 4/20)	ISO 2555	cps	1400 – 2300
pH value	ISO 976		4.0 – 5.0

Further Typical Properties	Adjusted Standard*	Unit	Value
Minimum film forming temperature (MFFT)	ISO 2115	°C	+8
Glass transition temperature	ISO 16805	°C	+26
Specific gravity		Lbs./gal	~8.9

* 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® 3640 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® 3640 and TufCOR® 3640.

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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