

PRODUCT INFORMATION

®Vinnolit E 70 CQ

Vinnolit E 70 CQ GreenVin®

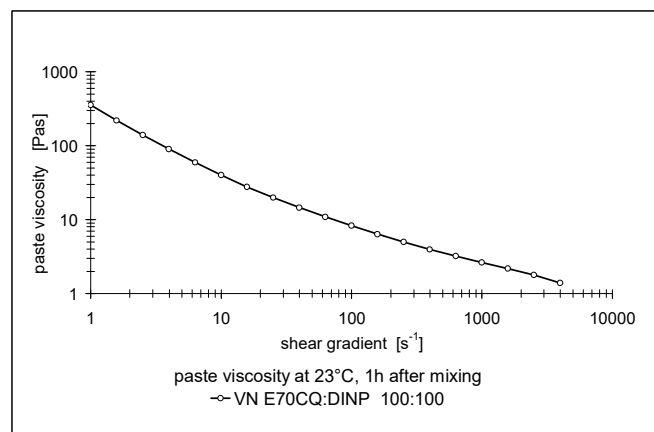
Vinnolit E 70 CQ GreenVin® bio-attributed

PVC for paste application

Brief Description

®Vinnolit E 70 CQ is a fine-particle, emulsion homopolymer giving very high-viscosity plastisols with a good shelf life. The lower plasticizer limit for pastes made from ®Vinnolit E 70 CQ is approx. 80 parts DINP based on 100 parts PVC. All pastes above this limit show a highly pseudoplastic rheology (see diagram).

Accordingly, ®Vinnolit E 70 CQ - apart from its main application of fabric base coating - is used as a blend component to raise the yield point or to reduce the dilatancy of pastes.



RAW MATERIAL PROPERTIES	TYPICAL VALUE*	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	70	-	1628-2	1628-2
Particle size distribution: sieve retention				
• retained on 0.063 mm screen	≤ 1.5	%	53195	-
Volatile matter	≤ 0.5	%	1269	1269
Emulsifier content	medium	-	-	-

* The values given above are **typical** test results which should be used as a guide only. They do not form the whole or part of a specification or guarantee.

Processing and Application

Pastes based on [®]Vinnolit E 70 CQ can be applied by direct or transfer coating using doctor knife or rotary screen and can be sprayed onto the undersides of vehicles as an automotive underbody sealant.

Flexible paste formulations may be spread directly onto fabrics. In this respect not only the high yield point but also the excellent plasticizer retention of [®]Vinnolit E 70 CQ are particularly useful.

In combination with grades having a lower viscosity, such as [®]Vinnolit E 68 CF, it is possible to obtain pseudoplastic pastes of any desired viscosity. Replacing 10-15 % of the PVC by [®]Vinnolit E 70 CQ may reduce the incidence of blobbing during spread coating.

Since the viscosity and yield point of pastes made from [®]Vinnolit E 70 CQ may be considerably reduced when using certain stabilizers or kickers, particular attention should be paid to the selection of these additives. For base coats the high thermostability of [®]Vinnolit E 70 CQ makes it possible to process without stabilizers or alternatively to use only epoxydized soya bean oils.

[®]Vinnolit E 70 CQ is suitable for chemically blown foam with ZnO as kicker. When blended with other foam grades, the processing possibilities with respect to viscosity can be increased.

Outstanding **properties** of [®]Vinnolit E 70 CQ are:

- Extreme pseudoplastic flow behaviour
- Increasing the yield point when used as a blend component (e.g. to reduce the blobbing formation)
- Excellent adhesion at textile fabrics

Packaging, Delivery and Storage

The product is supplied in 25 kg bags.

[®]Vinnolit E 70 CQ should be stored dry and away from direct or indirect sources of heat. Please consult the safety data sheet for information about the safety precautions necessary for transport, storage, blending and processing.

General Information

Further processing information and recommendations can be obtained from our Technical Service department.

Vinnolit E 70 CQ GreenVin[®] is produced with 100 % renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit E 70 CQ GreenVin[®] bio-attributed. See GreenVin[®] info sheet.

The information and specifications contained in this product information are, to the best of our knowledge, correct at the time of publication. They are intended solely to provide general information about our products and their possible applications and do not constitute an agreement on quality or a guarantee of specific properties or suitability for a particular purpose. Due to the numerous factors beyond our control relating to storage, processing, and combination with third-party raw materials, the customer is obliged to determine the suitability of the product for the intended use by conducting their own tests and trials. The customer is also obliged to check and observe any third-party industrial property rights before use. Our General Terms and Conditions of Sale apply in addition.

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