

DEHESIVE[®] EM 427

Vinylpolymer Emulsions

DEHESIVE[®] EM 427 is the base polymer to a three component aqueous emulsion system. It is used in combination with WACKER[®] CROSSLINKER V 15 and WACKER[®] CATALYST EM 459. The product is designed for pressure sensitive adhesive release applications and works on papers of varying porosity and films. Cure is achieved using a vinyl addition chemistry mechanism.

Properties

- Good anchorage on a wide variety of paper substrates
- Formulation flexibility allows for variation of hydrogen:vinyl (SiH:SiV) mole ratio and platinum catalyst content
- Compatibility with various thickening agents allows for absorbent substrate processing
- Adjustable release level when used in conjunction with CRA[®] EM 460

Technical data

General Characteristics

Property	Condition	Value	Method
Density, approx.	25 °C	1.0 g/cm ³	DIN 51757
Shelf Life (from date of manufacture)	-	12 month	-
Solid constituent	-	51 wt. %	-
Viscosity, dynamic	-	approx. 500 mPa·s	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Application details

DEHESIVE® EM 427, when coated properly, is suitable for indirect food contact use as indicated in 21CFR 175.105, 175.300, 176.170 and 176.180, provided the product is appropriately cured under observance of the limits for platinum. Note that FDA sanctioning of above components does not imply that the finished products manufactured from component combination are approved or considered safe by the FDA. Responsibility for compliance to the FDA regulations resides with the manufacturer of the finished product.

Processing

Batches of coating compound are prepared according to WACKER's 3-Component Emulsion Processing Guide for Release Coatings.

Packaging and storage

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

QR Code DEHESIVE® EM 427



For technical, quality or product safety questions, please contact:

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The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.