

# DEHESIVE<sup>®</sup> 944



## Vinylpolymers

DEHESIVE<sup>®</sup> 944 is a solvent-based addition crosslinkable silicone recommended for release coatings.

## Properties

- Medium release at low peel speeds
- Good release stability
- Excellent bath life
- Excellent anchorage to a wide variety of substrates
- Suitable for coating PP and PE films and PE-coated paper

## Specific features

- Polymer
- Solvent-based

# Technical data

## General Characteristics

Property	Condition	Value	Method
Viscosity, dynamic	25 °C	approx. 20000 mPa·s	-
Solid content	-	30 %	-
Density	20 °C	0.91 g/cm <sup>3</sup>	DIN 51757
Flash point	-	6 °C	ISO 13736
Ignition temperature	-	535 °C	not specified

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.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be downloaded via WACKER web site <http://www.wacker.com>.

## Applications

- Composite Release Coatings
- Graphics
- Industrial Applications
- Label
- Release Coatings
- Roofing & Bitumen
- Tapes & Electronics

## Application details

DEHESIVE® 944 may be used for coating of PE-laminated paper, polyester films (PET) and papers.

### Processing:

Generally DEHESIVE® 944 is diluted to give a formulation with an active substance content of about 5%. However, depending on the substrate and coater system, DEHESIVE® 944 may be used with lower or higher active substance contents. Special care must be taken to select a high quality solvent that will not poison the Pt-catalyst. Common poisons are organo-tin compounds, sulfur compounds (a common source are rolls that have been vulcanized with sulfur), amines, acid amides, zinc stearate and phosphites. The quality of the coating compound can be ensured by using clean vessels of stainless steel, enamel, plastic or glass to prepare the batch.

Batches of coating compound must be prepared in the order given below.

1. First pour in DEHESIVE® 944.
2. Add solvent and stir slowly until the mixture is homogeneous.
3. Add CRA® release modifier in case CRA® is used and stir slowly until the mixture is homogeneous.

4. Thoroughly stir in crosslinker to this mixture.
5. Slowly stir in catalyst. Local over concentrations must be avoided.

Suitable solvents are aliphatic and aromatic hydrocarbons (e.g. toluene, white spirit), esters and ketones.

The cure speed depends on the formulation (e.g. the amount of catalyst), type of substrate, quality of solvent, the chosen temperature and the effectiveness of the oven.

Laboratory trials are recommended prior to using the material in production in order to verify that the vulcanization performance suits the intended application.

## Packaging and storage

### Storage

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label 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

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

## QR Code DEHESIVE® 944



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

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