

CRA[®] 21

Controlled Release Additive

CRA[®] 21 is an extremely efficient controlled release additive for adjusting the release force of solvent-based DEHESIVE[®] systems.

Properties

- high release levels
- good release stability

Specific features

- Controlled Release Additive
- Solvent-based

Technical data

General Characteristics

Property	Condition	Value	Method
Viscosity, dynamic	25 °C	approx. 3 mPa·s	-
Density	20 °C 1013 hPa	0.962 g/cm ³	-
Flash point	-	4 °C	DIN 51755
Ignition temperature	-	535 °C	DIN 51794

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
- Tapes & Electronics

Application details

CRA® 21 can be processed together with nearly all solvent-based DEHESIVE® products. It is miscible with them in all proportions.

Mixtures of CRA® 21 and DEHESIVE® are ideal for the production of release paper and PSA-laminates. Suitable substrates include PE-laminated paper, polyester films (PET) and papers.

Because of the high efficiency and stable release characteristics of CRA® 21, the product is ideal for the production of double-sided release liners.

Processing

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

1. First pour in solvent-based DEHESIVE® polymer
2. Add solvent and stir slowly until the mixture is homogeneous
3. Add CRA® 21 release modifier 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.

Additional information

To obtain exceptionally high release forces, CRA® 21 can also be processed without DEHESIVE®. In this case, the amounts of catalyst and crosslinker required for efficient curing may vary from DEHESIVE® containing formulations. However, we recommend the adjustment of specific formulations to optimize final coating properties for the intended use.

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 CRA® 21



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
productinformation@wacker.com, www.wacker.com

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.