

# CRA<sup>®</sup> 45 AMA<sup>®</sup>

## Controlled Release Additive

CRA<sup>®</sup> 45 AMA<sup>®</sup> is an extremely efficient controlled release additive for adjusting the release force of solvent-free DEHESIVE<sup>®</sup> systems.

### Properties

- high release levels
- extremely stable release
- low level of silicone mist at high coating speeds
- good bulk bath life
- excellent thin-film bath life

### Specific features

- Controlled Release Additive
- Solvent-free

## Technical data

### General Characteristics

Property	Condition	Value	Method
Viscosity, dynamic	25 °C	2000 mPa·s	-
Resin content	-	45 %	-
Density	25 °C	1.04 g/cm <sup>3</sup>	-
Flash point	-	171 °C	ISO 2719
Ignition temperature	-	> 400 °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

- Release Coatings

### Application details

CRA® 45 AMA® can be processed together with nearly all solvent-free DEHESIVE® products. It is miscible with them in all proportions. Mixtures of CRA® 45 AMA® and DEHESIVE® are ideal for the production of release paper and PSA-laminates. Suitable substrates include glassine, clay-coated or PE-coated papers. Because of the high efficiency and stable release characteristics of CRA® 45 AMA® the product is ideal for the production of double-sided release.

### Processing

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

1. First pour in CRA® 45 AMA®
2. Add DEHESIVE® polymer in several portions and stir slowly until the mixture is homogeneous.
3. Thoroughly stir in Crosslinker to this mixture
4. Slowly stir in catalyst.

Local over-concentrations must be avoided.

Additional information

To obtain exceptionally high release forces, CRA® 45 AMA® 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® 45 AMA®



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

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