

## RC UNIVERS

### FORM RELEASE AGENT

#### Additives for mortars and concrete



#### ADVANTAGES OF RC UNIVERS

- ✓ Reduces air bubbles
- ✓ Fast stripping and cleaning
- ✓ Extends lifespan of formwork
- ✓ For all types of concrete
- ✓ Ideal for architectural concrete

#### Description

RC UNIVERS is an oil based ready to use form release agent which provides complete release of concrete or grout from steel or wooden formwork. It does not stain, extends the life of the formwork and provides a good quality aesthetic concrete finish.

#### Properties

RC UNIVERS has the following special properties:

- Ready to use;
- Easy to apply;
- Fast stripping and cleaning of formwork;
- Extends lifespan of formwork;
- Ensures fair faced concrete finish which makes it ideal for architectural concrete;
- Reduces air bubbles which may appear on concrete surfaces;
- Non-staining;
- Economical consumption;
- Suitable for application to formwork used in curing and damp processes;
- For all types of concrete.

#### Substrate

The surfaces of the formwork must be dry and clean to prevent the surfaces of the concrete from getting dirty.

In the case of formwork with non-planed wood (so-called rough parts), make sure that the planks are sufficiently pre-treated with RC UNIVERS release oil before they are used as formwork for the first time. If not, the dried wood absorbs so much solvent that not enough solvent remains on the surface of the wood for the formwork. This can cause concrete and formwork to stick together.

Make sure to apply an even, thin film of RC UNIVERS to get a good smooth surface as the end result. RC UNIVERS can be used on wooden formwork (painted and unpainted), steel formwork and hard plastic formwork.

#### Application instructions

RC UNIVERS can be used immediately and may not be diluted with water. The release agent is applied with a sprayer, a brush or a cloth thinly, but with a covering. Application can also take place by immersion. For non-porous formwork, spray lightly, and generously spray porous formwork (pine or uncoated plywood).

Please note: careless application results in differences in absorption by the formwork surface. This results in color differences on the concrete surface. Even when the cement residue adheres locally to the formwork, color differences arise during releasing.

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## Consumption

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Consumption depends on the roughness and absorbency of the formwork.

- Wooden formwork: 13 - 21 m<sup>2</sup>/liter
- Metal or plastic formwork: 27 - 42 m<sup>2</sup>/liter

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

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## Technical characteristics

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Density at 15°C (water = 1):	0,823 kg/l
Physical state:	Liquid
Color:	Clear, light yellow
Odor:	Characteristic
Consumption:	20 – 50 m <sup>2</sup> /liter
Flash point:	>70°C
Solidification/freezing point:	< -15°C
Solubility (water):	0 g/l
Viscosity, kinematic (40°C):	3,9 mm <sup>2</sup> /s

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## Security

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Consult the most recent safety data sheet.

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## Remarks

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It must be avoided that puddles with excess quantities arise or shortages of the release agent occur due to excessive absorption of the wood (pre-treat new raw parts formwork). For structural formwork, the quantities of RC UNIVERS must be taken in such a way that the release agent does not come together in one place. With blasted structural formwork, we recommend reducing the suction of the formwork by means of a suitable seal.

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## Cleaning of equipment

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Clean all tools and application equipment with cleaning solvent, dissolvent or petroleum ether immediately after use. Hardened material can only be removed mechanically.

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## Storage / Shelf life

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- Keep only in the original container in a cool, well-ventilated place. Opened containers should be carefully closed and stored upright to prevent leakage.
- 2 years after production in the original closed packaging.

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## Packaging

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25 liters (item no. 101028) or 1000 liters (item no. 101030).

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## Photos

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### Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Reynchemie products, are given in good faith based on Reynchemie current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Reynchemie recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Reynchemie reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.