

## Product Information

## TEGO® RC 1200

## PRODUCT DESCRIPTION

TEGO® RC 1200 is a solvent-free, UV curing silicone acrylate release coating. It is designed for easy release applications.

It is a "ready-to-use" one-component blend including TEGO® Photoinitiator A18.

UV curing of TEGO® RC 1200 requires inerting by nitrogen (< 50 ppm residual oxygen in the curing chamber).

## Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		opaque
Color		beige
Flash Point, min. DIN EN 22719	°C	101
Specific Gravity at 25°C DIN 51757	g/ml	1
Viscosity at 25 °C DIN 53019	- 800 mPa·s	400

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

TEGO® RC 1200 is used for the manufacturing of release coatings with easy release properties for self-adhesive products for instance

- Pressure sensitive adhesive labels
- Self-adhesive tapes
- Hygiene products
- Adhesive transfer products

## BENEFITS &amp; ADVANTAGES

TEGO® RC 1200 can be used on filmic and paper based substrates offering the advantage of a ready-to-use blend.

TEGO® RC 1200 is used in the manufacturing of release coatings with easy release properties.

For example: Self-adhesive labels, self-adhesive tapes, hygiene products and others.

## DOSAGE

TEGO® RC 1200 can be used as supplied as it is a ready-to-use blend. However, it should be noted that the mixture will only remain stable for a limited time and will separate on standing. Therefore, it is important to stir the entire content of the drum well before removing any material. To facilitate this, TEGO® RC 1200 is packaged with extra headspace to enable ease of stirring.

## HANDLING &amp; PROCESSING

## Suitability tests

Before using any new silicone formulation, we recommend checking that the final product meets the target requirements. This includes but is not limited to

- Compatibility of release coating against targeted adhesives using ageing tests at both low and high temperatures
- The influence of electron beam or Gamma irradiation on aging and release, e.g. sterilization
- The influence of secondary UV exposure on release and aging, e.g. when curing UV printing inks on label stock with a clear face stock. Thermal ageing or post-irradiation may cause a property change in the final product

## PACKAGING

20 kg (44 lbs) in PE open-head drum 30 l

Pallet size: 8 x 20 kg : 160 kg

175 kg (385 lbs) in steel open-head drum 200 l

Pallet size: 4 x 175 kg : 700 kg

## STORAGE

The bath life of TEGO® RC 1200 can be as long as its storage stability if handled properly. We highly recommend stirring the blend before use and conducting a test using the material again

## SHELF LIFE

It is recommended that TEGO® RC 1200 be stored in a dark location at temperatures not exceeding 30°C (86°F). Under these conditions, the storage stability of TEGO® RC 1200 is 12 months when stored in original, sealed containers.

## HAZARDOUS SUBSTANCE

Information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

### Disclaimer

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