

# WACKER® TNE 50

## Silicone Fluid Emulsions, functional

WACKER® TNE 50 is a nonionic oil-in-water emulsion of a polysiloxane containing alkyl and aralkyl organic groups.

### Technical data

#### General Characteristics

Property	Condition	Value	Method
pH	-	4.5 - 7.5	Indicator strips
Emulsifier type	-	nonionic	-
Appearance	-	milky	-
Particle size	-	< 300 nm	-
Solid content	-	52.0 - 57.0 %	Microwave oven

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.

### Applications

- Polyurethane Processing

- Paint & Plastic Polishes
- Light Alloy Diecasting

## Application details

WACKER® TNE 50 is used for the formulation of release agents for the thermal moulding of rubber, plastics, and low-melting non-ferrous metals. The active ingredient of WACKER® TNE 50 is a modified silicone fluid whose special chemical structure imbues it with the benefits of silicone fluids and mineral oils. It is mainly recommended for release problems where the demoulded parts are subsequently painted, printed, coated or bonded. The specific non-ionic emulsifier system in WACKER® TNE 50 facilitates the combination with emulsions of other actives. In addition, WACKER® TNE 50 may be easily diluted with water at any time. Though being diluted, it exhibits good storage stability. However, preliminary trials on compatibility and stability must be performed.

Before use, WACKER® TNE 50 must be stirred thoroughly.

## 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 WACKER® TNE 50



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

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