

# TEGO® Twin 4000

siloxane-based gemini surfactant

## Special properties

- especially for water-based formulations
- unique combination of excellent substrate wetting and good defoaming properties
- helps wetting various substrates: plastics, offset inks, contaminated substrates, etc.
- promotes flow
- helps to reduce the overall additive content of the formulation

## Examples of application

- |                                      |              |
|--------------------------------------|--------------|
| • printing inks                      | 0.1 - 0.4 %  |
| • overprint varnishes                | 0.1 - 0.5 %  |
| • wood coatings                      | 0.05 - 0.4 % |
| • industrial and automotive coatings | 0.05 - 0.3 % |
| • polymer emulsions                  | 0.05 - 0.4 % |
| • etc.                               |              |

## Processing instructions

- For the testing of TEGO® Twin 4000:  
Please add TEGO® Twin 4000 before any defoamer, flow and substrate wetting additive. Check on foam, wetting and compatibility. Only add further additives if necessary.
- Addition preferably as supplied.

## Solubility

<i>mixing ratio (parts by weight)</i>	1:100	1:4
water	-	-
isopropanol	+	+
butyl glycol	+	+
Dowanol® PM	+	+
texanol	+	+
n-methyl-pyrrolidone	+	o
Proglyde DMM	+	+
mineral spirits	o	-
TPGDA	+	+
TMPTA	+	-

- = *turbid/insoluble*, o = *opalescent*, + = *clear*

## Chemical description

siloxane-based gemini surfactant

## Technical information

- |                         |                        |
|-------------------------|------------------------|
| • appearance            | clear, coloured liquid |
| • active matter content | 100 %                  |

## Specification

- |             |                  |
|-------------|------------------|
| • density   | 0.97 - 1.03 g/ml |
| • viscosity | 70 - 130 mPas    |

## Registration status

TEGO® Twin 4000 respectively its ingredients are listed in the following chemical inventories: EINECS.

## Packaging

plastic canister	25 kg
steel container with bung	200 kg

## Storage stability

12 months in closed containers