

# Technical Data

## CHEMTECH 340



### Product description

Chemtech 340 is a solvent-free two-pack epoxy glassfibre lining system.

### Recommended use

For use as lining in storage tanks where the condition of the steel, the content or other reasons require the use of a lining in combination with glass fibre mat.

### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	1000	3000	1650
Film thickness, wet ( $\mu\text{m}$ )	1000	3000	1650
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	1	0.33	0.6

### Physical properties

Colour	White
Solids (vol %)*	100 $\pm$
Flash point	Non-flammable
Gloss	Glossy
Water resistance	Excellent
Abrasion resistance	Excellent
Solvent resistance	Excellent
Chemical resistance	Excellent
Flexibility	Fair

\*Measured according to ISO 3233:1998 (E)

### Surface preparation

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

#### Bare steel

Cleanliness: Blast cleaning to min. Sa 2 ½ (ISO 8501 1:1988). Roughness: using abrasives suitable to achieve Grade Medium G (50 - 85  $\mu\text{m}$ , Ry5) (ISO 8503-2).

#### Coated surfaces

Approved on top of thin coat (40  $\mu\text{m}$ ) of clean, undamaged recommended Epoxy Primer

#### Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

## Condition during application

The temperature of the substrate should be minimum 10°C and minimum 3°C above the dew point of the air in the vicinity of the substrate. Chemtech 340 should not be exposed to water, chemicals or mechanical stress until fully cured.

## Application methods

**Roller** See application procedure.

## Application data

**Mixing ratio (volume)** 2.9 parts Comp. A (base) to be mixed thoroughly with 1 parts Comp. B (curing agent).  
**Pot life (23°C)** 20-30 min. (Reduced at higher temp.)  
**Thinner/Cleaner** Jotun Thinner No. 17/or stronger, No. 23

## Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- \* Good ventilation (Outdoor exposure or free circulation of air)
- \* Typical film thickness
- \* One coat on top of inert substrate

Substrate temperature	10°C	23°C	40°C
Surface dry	10 h	5 h	3 h
Through dry	24 h	10 h	4 h
Cured	14 d	7 d	3 d
Dry to recoat, minimum <sup>1</sup>	24 h	10 h	4 h

- 1 Provided the surface is free from chalking and other contamination prior to application, there is normally no overcoating time limit. Best intercoat adhesion occurs, however, when the subsequent coat is applied before preceding coat has cured. If the coating has been exposed to direct sunlight for some time, special attention must be paid to surface cleaning and mattening/removal of the surface layer in order to obtain good adhesion.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

## Typical paint system

Blastcleaning to Sa 2½.  
Chemtech Epoxy Primer 40 µm (Dry Film Thickness)  
All pittings to be filled with epoxy filler.

### Chemtech 340 is one or two layer system:

One layer system:

**Chemtech 340:** A+B plus 450 g/m<sup>2</sup> glass mat 1500-1800 microns

Two layer system:

**Chemtech 340:** A+B plus 300 g/m<sup>2</sup> glass mat 2500-3000 microns

A 30g/m<sup>2</sup> surface tissue can also be used in addition to the final layer.

**Other systems may be specified, depending on area of use**

## Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

## Handling

Handle with care. Stir well before use.

## Packing size

14.5 L. Comp. A, 5 L. Comp. B.

Packing may vary from country to country according to local requirements.

## Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

**For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.**

## DISCLAIMER

*The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.*

### Head Office & Nordic

Jotun Paints  
P. O. Box 2021  
N-3248 Sandefjord  
Norway  
Phone +47 33 45 70 00  
Fax +47 33 46 46 13

### Europe

Jotun Paints (Europe) Ltd.  
Stather Road, Flixborough  
North Lincolnshire DN15 8RR  
United Kingdom  
Phone +44 172 44 00 000  
Fax +44 172 44 00 100

### Middle East

Jotun U.A.E Ltd. LLC.  
Al Quoz Industrial Area  
P.O Box 3671  
Dubai U.A.E  
Phone +971 4 3 39 50 00  
Fax +971 4 3 38 06 66

### South East Asia

Jotun (Singapore) Pte. Ltd.  
No 11-15, Sixth Lok Yang  
Road  
Jurong  
Singapore 628 111  
Phone +65 6265 4711  
Fax +65 6265 7484

Jotun is a World Wide company with factories, sales offices and stocks in more than 50 countries. For your nearest local Jotun address please contact the nearest regional office or visit our website at [www.jotun.com](http://www.jotun.com)

ISSUED 12 FEBRUARY 2002 BY JOTUN PAINTS  
THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED