Technical Data
Tankguard TU

Jotun Protects Property

Product description
This is a two component phenolic epoxy coating with high resistance to a wide range of chemicals and solvents.

Recommended use
A tank coating specifically designed for repair work, stripe-coating and touch-up of the following products: Tankguard HB, Tankguard Special and Tankguard Special Ultra.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	80	150	100
Film thickness, wet (µm)	115	215	140
Theoretical spreading rate (m^2/l)	8,8	4,7	7

Approvals
Food Contact - FDA Compliant in accordance with section 175.300 of the Code of Federal Regulations

Physical properties

Colour	Light grey
Solids (vol %)*	70 ± 2
Flash point	28ºC ± 2 (Setaflash)
VOC	2,5 lbs/gal (300 gms/ltr) USA-EPA Method 24 270 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Semigloss
Water resistance	Excellent
Solvent resistance	Excellent
Chemical resistance	Excellent
Flexibility	Fair

*Measured according to ISO 3233:1998 (E)

Hong Kong rules: Category of paints - Tank lining coatings; VOC 300 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1.57 (A+B); Both VOC and Specific gravity values provided are typical values, which will vary according to colour chosen.

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 1:2007). Roughness: using abrasives suitable to achieve Grade Medium G (50 - 85 µm, Ry5) (ISO 8503-2).

Coated surfaces
If applied on top of old coating systems the surface must be clean and dry.

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 5°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The coating should not be exposed to oil, chemicals or mechanical stress until cured.

Application methods

Brush	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Application data

Mixing ratio (volume)	4:1
Mixing	4 parts Comp. A (base) to be mixed thoroughly with 1 part Tankguard TU, Comp. B (curing agent)
Induction time	15 minutes.
Pot life (23°C)	2 hours (Reduced at higher temp.)
Thinner/Cleaner	Jotun Thinner 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	**5°C**	**10°C**	**15°C**	**23°C**	**40°C**
Surface dry	24 h	16 h	6 h	4 h	2 h
Through dry	36 h	24 h	10 h	7 h	3 h
Cured	30 d	14 d	10 d	7 d	3 d
Dry to recoat, minimum	52 h	36 h	30 h	20 h	10 h
Dry to recoat, maximum [1]	30 d	30 d	25 d	21 d	7 d

1. The surface should be free from chalking and contamination prior to application. If the maximum dry to recoat time is exceeded, please contact Jotun for advice.

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

Tankguard TU **3 x 100 µm** **(Dry Film Thickness)***

* One should aim for a total dft of 300 µm. With brush one might need more than 3 coats to achieve this.

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

5 litre unit: 4 litres Comp. A (base) in a 5 litre container and 1 litre Tankguard TU, Comp. B (curing agent) in a 1 litre container

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.

ISSUED 4 JULY 2013 BY JOTUN
THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED