

Technical Data

Safeguard TF KS



Product description

Safeguard TF KS is a two-pack corrosion preventing epoxy vinyl-based coating designed as a tie coat between anticorrosive products and antifoulings.

Recommended use

Safeguard TF KS offers very good adhesion for antifouling paint when applied under correct conditions.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	50	150	75
Film thickness, wet (µm)	115	350	175
Theoretical spreading rate (m ² /l)	8,6	2,9	5,7

Physical properties

Colour	Yellow/Grey/Buff
Solids (vol %)*	43 ± 2
Flash point	10°C ± 2 (Setaflash)
Gloss	Flat
Water resistance	Excellent
Abrasion resistance	Good
Solvent resistance	Good
Chemical resistance	Good
Flexibility	Good

*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.

Coated surfaces

Clean, dry and undamaged compatible primer. Please contact your local Jotun office for more information.

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 minimum 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is required in confined areas to ensure proper drying. Do not use heated air until the solvents have evaporated from the paint film to avoid surface drying and solvent entrapment. The coating should not be exposed to strain until cured.

Application methods

Spray	Use airless spray
Brush	Use a suitable brush. Care must be taken to achieve the specified dry film thickness.

Application data

Mixing ratio (volume)	5 parts Comp. A (base) to be mixed thoroughly with 1 part Comp. B (curing agent).
Pot life (23°C)	5 hours (Reduced at higher temp.)
Thinner/Cleaner	Jotun Thinner No. 17
Guiding data airless spray	
Nozzle tip	0.58-0.78 mm (0.023-0.031")
Filter	40-80°
Note	Check to ensure that filters are clean.

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	0°C	5°C	10°C	23°C	40°C
Surface dry	8 h	6 h	4 h	2 h	1 h
Through dry	30 h	24 h	18 h	12 h	8 h
Cured	14 d	9 d	7 d	5 d	4 d
Dry to recoat, minimum	22 h	20 h	18 h	12 h	8 h
Dry to recoat, maximum ¹	5 d	7 d	7 d	5 d	3 d
Cold temperature hardener					
Substrate temperature	-5°C				
Surface dry	10 h				
Through dry	36 h				
Cured	-				
Dry to recoat, minimum	24 h				
Dry to recoat, maximum ¹	7 d				

- 1 The surface should be free from chalking and contamination prior to application. At interior exposure note that best intercoat adhesion occurs when the subsequent coat is applied before the preceding coat is cured. At exterior exposure, the chalking effect especially from the sunlight limits the maximum dry to recoat time.

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

Jotacote HF002 1 x 200µm (Dry Film Thickness)
Safeguard TF KS 1 x 75µm (Dry Film Thickness)
Antifouling as required.

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.

Packing size

16.7 l Comp. A and 3.3 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.

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

ISSUED 6 DECEMBER 2007 BY JOTUN
THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED