Technical Data
Solvalitt

Product description
Solvalitt is a heat resisting paint based on silicone acrylic binder.

Recommended use
To be used as a topcoat on items exposed to high temperatures (up to 600ºC) in combination with Zinc Silicate coatings, maximum 400ºC.

Film thickness and spreading rate

Aluminium	Minimum	Maximum	Typical
Film thickness, dry (µm)	20	30	20
Film thickness, wet (µm)	55	80	55
Theoretical spreading rate (m²/l)	19	12,7	19

Colours	Minimum	Maximum	Typical
Film thickness, dry (µm)	20	30	20
Film thickness, wet (µm)	50	70	50
Theoretical spreading rate (m²/l)	21	14	21

Physical properties

Colour	Aluminium, Black, Green, Grey, White
Solids (vol %)*	40 ± 2 Aluminium 43 ± 2 Colours
Flash point	26°C (Setaflash)
VOC	**Aluminium** 4,43 lbs/gal (530 gms/ltr) USA-EPA Method 24 500 gms/ltr UK-PG6/23(97). Appendix 3 **Colours** 4,34 lbs/gal (520 gms/ltr) USA-EPA Method 24 490 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Aluminium sheen/Flat
Flexibility	Good

*Measured according to ISO 3233:1998 (E)

Other colours (limited range) can be supplied on request and may be subject to maximum temperature limitations below 600 °C depending on specific pigments heat resistance.
Please consult with Jotun local office for detail.

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 Sa 2½ (ISO 8501-1:2007). Roughness: using abrasives suitable to achieve grade Fine to Medium G (30-85 µm, Ry5) (ISO 8503-2)

Coated surfaces
Cured and clean zinc silicate 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 3ºC 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 correct drying.

Application methods

Spray	Use airless spray or conventional spray
Brush	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.
Roller	May be used for small areas but not recommended for first primer coat, however when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Application data

Mixing ratio (volume)	Single pack.
Thinner/Cleaner	Jotun Thinner No. 7
Guiding data airless spray	
Pressure at nozzle	15 MPa (150 kp/cm², 2100 psi).
Nozzle tip	0.38-0.48 mm (0.015-0.021")
Spray angle	40-60°
Filter	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	5°C	10°C	23°C	40°C
Surface dry	60 min	45 min	30 min	15 min
Through dry	4 h	3 h	2 h	1,5 h
Dry to recoat, minimum	8 h	5 h	4 h	3 h
Dry to recoat, maximum [1]				

1. The surface should be dry and free from any contamination prior to application of the subsequent coat.

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

Resist 78, Resist 86 or Resist GTI	1 x 75 µm	(Dry Film Thickness)
Solvalitt	**1 - 2 x 20 µm**	**(Dry Film Thickness)**
or		
Solvalitt	**2 - 3 x 20 µm**	**(Dry Film Thickness)**

Other systems may be specified, depending on area of use

Storage

Storage condition 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. The container must be protected from freezing.
SHELF LIFE: 2 years at 23°C, subject to re-inspection thereafter. Storage at elevated temperatures will reduce product shelf life significantly.

Handling

Handle with care. Stir well before use.

Packing size

5 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.

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THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED