



باجاك (سهامى خاص)

BAJAK'S ZINCSIL 15700

BAJAK'S ZINC DUST 97170

Description: BAJAK'S ZINCSIL 15700 is a two-component, solvent-borne, self-curing, inorganic zinc silicate with outstanding resistance against weathering and abrasion. It has excellent chemical resistance within the pH range 6-9. For service temperature range, see below. Applicable by airless spray offers cathodic protection of local mechanical damage. Zinc content is min.85wt% in dry film thickness.

Recommended use:

1. As a general purpose, heavy-duty, rust-preventing primer.
2. As a single, complete coating for long-term protection of steel exposed to moderately to severely corrosive environment and to abrasion.
3. As a tank lining in accordance with the CARGO PROTECION GUIDE.

Service temperatures:

Dry conditions:

- Resistance to permanent dry temperature up to 500 °C/932 °F.
- Resistance to occasional short-term heating (peak temperature) up to 500 °C/932 °F while permanent service temperatures are otherwise below 400 °C/752 °F.

In the case of cyclic service conditions with regulars periods of low & high temperatures, the temperature should be kept below 400 °C/752 °F.

In the case of service temperature above 400 °C/752 °F, it is of advantage to apply a topcoat of BAJAK's SILICONE ALUMINIUM 55910.

Humid conditions: Please see REMARKS overleaf.

PHYSICAL CONSTANTS:

Colours/Shade nos: Metal grey - 19840

Finish: Flat

Volume solids: 64±1

Theoretical spreading rate: 12.8 m²/litre - 50 micron
513sq.ft./ US gallon

Flash point: 14°C/57°F

Specific gravity: 2.65 kg/litre – 22.1 lbs/US gallon

Dry to touch: 30Approx. min. at 20°C/68°F (65-75% RH)

Fully cured: 3 (approx.) days at 20°C/68°F (65-75% RH) See REMARKS overleaf

V.O.C.: 535 g/litre – 4.5 lbs/US gallon

Shelf life: 6 Months (25°C/77°F) from time of production.
Shelf life is depended on storage temperature. Shelf life is reduced at storage temperatures above 25°C/77°F. Do not store above 40°C/104°F. Shelf life is exceeded if the liquid is gelled or if the mixed product forms gels before application.

APPLICATION DETAILS:

Mixing ratio for 15700: Liquid 15700 : zinc dust 97170
3.2 parts by weight 6.8 parts by weight
7,4 parts by volume 2.6 parts by volume

Application method: Airless spray Air spray Brush(touch-up)

Thinner (max.vol.): 08700 (30%) 08700(50%) 08700(10%)

Pot life: 8 hours (20°C/68°F)

Nozzle orifice: .019"-.023"

Nozzle pressure: 100 bar/1500 psi
(Airless spray data are indicative and subject to adjustment)

Cleaning of tools: THINNER 08700

Indicated film thickness, dry: 50 micron/2 mils (See REMARKS overleaf)

Indicated film thickness, wet : 75 micron/3 mils

Recoat interval, min. : See REMARKS overleaf

Recoat interval, max. : None. (See REMARKS overleaf)

SAFETY:

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult BAJAK Material Safety Data Sheets and follow all local or national safety regulations. This goes for personal protection such as, but not limited to protection of lungs, eyes and of the skin, medical treatment in case of swallowing the paint or in case of other direct contact with the paint. Take necessary precautions against possible risks of fire or explosions as well As protection of the environment. Apply only in well ventilated areas and ensure that adequate force ventilation exists when applying paint in confined spaces or when the air is stagnant.

2. BAJAK'S ZINCSIL 15700

SURFACE PREPARATION:	Remove oil and grease, Etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Grit blasting to minimum Sa 2½ with a surface profile equivalent to Rugotest No. 3, BN10a, Kean-Tator Comparator, min. 3.0 G/S, or ISO Comparator rough MEDIUM (G). In case of new steel to be exposed to no more than medium aggressive (industrial) environment and without any extraordinary demands to lifetime, a surface preparation degree of SSPC-SP 6 may suffice. Consult separate APPLICATION INSTRUCTION, and – as relevant- the corresponding PAINTING SPECIFICATION for cargo tanks.
APPLICATION CONDITIONS:	The surface must be completely clean and dry with a temperature above the dew point to avoid condensation. At temperature ranging from -10°C/15°F to 40°C/105°F. Curing needs minimum 65% relative humidity. Consult separate APPLICATION INSTRUCTIONS.
SUBSEQUENT COAT:	As a tank coating: none. Otherwise according to specification.
REMARKS: Service Temperatures:	Note: If used as anticorrosive protection under insulation of high temperature equipment it is very important that NO moisture can penetrate during shut-down periods. This is to avoid risk of “wet corrosion” when the temperature rises. Wet service temperature, non- saline water: Maximum 60°C/140°F
Tank Coating:	Wet service temperature, other liquids: Consult the corresponding CARGO PROTECTION GUIDE. Hot sea water washing and (low pressure) steam cleaning should never be executed on coatings which have not been in service for at least one month. Contact BAJAK about temperatures permissible.
Film thickness:	If top coated with a heavy-duty system, 50 micron/2 mils dry film thickness (75 micron/3 mils wet) is recommended. Consult separate APPLICATION INSTRUCTIONS before recoating. For long-term protection without top coat, 75 micron/3 mils dry film thickness (100-125 micron/4-5 mils wet) is generally recommended. In tanks 100 micron/4 mils dry film thickness (150 micron/6 mils wet) is recommended but may be applied in 125 micron/5 mils dry film thickness (200 micron/8 mils wet).
High temperature Service :	To avoid cracking it is important to keep the dry film thickness at maximum 40-50 micron/1.6-2 mils, especially in cases where service conditions include sudden temperature changes.
Thinning:	For application at high temperatures, a special thinner is available.
Recoating:	Minimum interval at 20°C/68°F, 75% RH for recoating with : BAJAPOX (system/high-build) 3 days, full curing (see APPLICATION INSTRUCTIONS) 24 hours BAJAPOX (25 micron/1mil) Recoating intervals are strongly dependent on both temperature and humidity. Deviations from the standard condition may shorten or prolong recoating intervals. Consult separate APPLICATION INSTRUCTION. The recoating interval of 24 hours from 25 micron/1mil BAJAPOX is only valid in case the otherwise, the minimum recoating interval is the same as for system/high-build.
Curing, cargo tanks:	Before cargo tanks are taken into use, the coating must be completely through-cured. It is recommended to carry out low pressure hosing of the tanks with (fresh) water 2-3 times at ambient temperature. Let the tanks remain wet between the washings, Reference is made to APPLICATION INSTRUCTIONS.

NOTE: **BAJAK ZINCSIL 15700 is for professional use only.**