



**NIK SARANG**  
INDUSTRIAL COATINGS

# PRODUCT DATASHEET

Alkyd Primer

**NIKSA 2101121**

**Nov 2024**

[www.niksarang.com](http://www.niksarang.com)



**Product**

**Description:**

**Recommended Use:**

**Outstanding Characteristics:**

**Certificate /**

**Approval:**

**Technical Data:**

NIKSA 2101121 is a general primer based on long oil alkyd resin with fairly good penetration into rough and porous substrate.

For use on structural steel to be top coated with alkyd based Finish coat in mild environment.

- Rust preventing
- Excellent spray ability
- Excellent flexibility
- Good resistance in mildly to moderately corrosive environment

In compliance with ISO 12944-5, BS 9453

<b>Finish</b>	Flat
<b>Color</b>	Upon request
<b>Solid by volume</b>	58±3%
<b>Specific Gravity</b>	1.55±0.1 gr/cm <sup>3</sup>
<b>Flash point</b>	38°c
<b>Recommended D.F.T.</b>	40-60 microns
<b>Recommended W.F.T.</b>	70-105 microns (without adding thinner)
<b>Theoretical coverage</b>	6.2-9.3 m <sup>2</sup> /kg (Practical coverage depends on loss factor)
<b>Service Temperature</b>	Continuous: Maximum, dry exposure only 80°C Noncontinuous: Maximum, dry exposure only 100°C
<b>Shelf life</b>	12 months at 25°c Depending on storage conditions, mechanical stirring may be necessary before usage. If the shelf life is exceeded, please contact NIK SARANG for further advice.
<b>Package</b>	20 & 4 liter containers

**Surface**

**Preparation:**

**New steel:** The surface must be clean, dry and free from rust, mill scale, salt and any other contaminants. Abrasive blasting should be done to minimum Sa 2 (equal to SSPC-SP6) for better protection and achieve to good adhesion

**Other metals and light alloys:** Thorough degreasing and removal of any salty contamination. Abrasive sweeping to create a suitable dense anchor profile.

**Repair and maintenance:** Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (minor areas) or by abrasive blasting to min. Sa 2, preferably to Sa 2½.

Feather edges to sound intact areas. Dust off residues. Touch up to full film thickness. On pit-corroded surfaces, excessive amounts of salt residues may call for high pressure water jetting, wet abrasive blasting, alternatively dry abrasive blasting, high pressure fresh water hosing, drying, and finally, dry abrasive blasting again.



**Application Conditions:**

Use only when application and curing can proceed at surface temperatures above 10°C and maximum 50°C.

The in-can temperature of the product material should be between 15°C and 35°C to facilitate proper application properties.

Apply only on a dry and clean surface with a minimum 3°C above the dew point to avoid condensation. Relative humidity max. 90%. In confined spaces provide adequate ventilation during application and curing.

In confined spaces provide adequate ventilation during application and drying.

**Mixing Ratio:**

None (single pack)

**Induction Time:**

None

**Thinner (Max. Vol.):**

5-20% in volume NIKTHIN 200

**Application Instrument:**

Air spray, Airless spray, **small area:** Brush, Roller

**Nozzle Orifice:**

0.017"-0.021"

**Nozzle Pressure:**

150 bar/2175 psi, Airless spray is indicative and subject to adjustment

**Pot Life:**

None (single pack)

**Drying Time:**

Surface Temperature	15°c	25°c	35°c	45°c
Touch Dry, hrs.	6	2	1	30 min.
Hard Dry, hrs.	24	16	12	10
Full Dry, days	14	10	7	5

**Recoat Interval:**

Surface Temperature	15°c	25°c	35°c	45°c
Min. hrs.	8	4	2	1
Max. days	Indefinite			

**Preceding Coat:**

None

**Subsequent Coat:**

NIKSA 2102120, NIKSA 2103120

Please contact for another coat possibility

**Note:**



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Note: Film thickness may be specified in another film thickness than indicated depending on purpose and area of use. This will alter the spreading rate and may influence the amount of thinning necessary, drying time and recoating interval.

**Safety:** Handle with care. Before and during use, observe all safety labels on packaging and paint containers. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The NIK SARANG Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your NIK SARANG representative to obtain the most recent Product Data Information and Application Bulletin. The NIK SARANG Company warrants our products to be free of manufacturing defects in accord with applicable NK SARANG quality control procedures

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