

UNIVERSAL PRIMER

Description: One-pack high solid lead- and chromatefree rust inhibiting primer based on alkyd resins.

Use: As a high-build priming and intermediate coat on wood above the waterline. As a rust-inhibiting primer and intermediate coat on steel above the waterline. In one component alkyd paint system.

PHYSICAL DATA

Appearance: Satin finish.

Colour: White and grey.

Solids content: Approx. 67 % by volume.

Theoretical coverage: At a dry film thickness of 40 µm: approx. 16.8 m²/l.

Practical coverage: Depends on several factors, including shape of the vessel, surface roughness, method of application being used and conditions of application.

A guide for spray application: ± 60 % of the theoretical coverage.
If applied by brush or roller: ± 80 % of the theoretical coverage.

Density: Approx. 1.37 kg/dm³.

Drying times:	at 20°C:	at 10°C:
Dry film thickness:	40 µm	40 µm
Dust dry:	4 h	6 h
Ready to flat:	24 h	48 h
Hard dry:	2 days	4 days

Recoating time:	Minimum:	16 h	24 h
	Maximum:	unlimited after sanding	

When recoating, ensure that the substrate is dry, clean, grease- and dust-free.

Heat resistance: Up to 90°C (dry load).

Packaging: Cans of 0,25 litre, 0,75 litre and 2,5 litres.

Minimum shelf life: At least 12 months, provided the material is stored in a dry place at a temperature ranging between 5°C and 40°C in the unopened original packing.

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APPLICATION DATA

Thinning and application: If the paint is too thick, e.g. at lower temperatures, a small amount of thinner can be added to obtain the proper viscosity. The amount of thinner to be added depends on the conditions of application and the method of application being used. Notice the following directions:

	Airless Spray	Conventional Spray	Brush/Roller
Thinner:	S.Y. Thinner 600	S.Y. Thinner 600	AK Thinner
Vol.-% (at 20°C):	0-5 %	5-10 %	0-5 %
Fluid tip:	0.015"	1.3 mm	--
Gun pressure (bar):	140-160	3-4	--
Advised dry film thickness (µm):	40	40	40
Maximum dry film thickness (µm):	60	50	50

Equipment can be cleaned in the above thinners.

Directions for application: Prior to application, stir paint carefully before use.

Steel:

Thin the first coat Universal Primer 10% and apply it by brush in a circular movement to ensure good adhesion to the substrate. The total minimum dry film thickness recommended to achieve adequate rust-inhibition is 120 µm, which can be achieved in three applications.

Wood:

If an initial coat is to be applied to such porous substrates as wood and/or a Classic Finishing Filler coating, thin the first coat Universal Primer by 25 % and apply it by brush in a circular movement to ensure good adhesion to the substrate.

After allowing for a sufficient drying time of at least 48 hours, apply a second coat thinned by approx. 10 %. A mixture of 1 part of Universal Primer + 1 part of Super Gloss can be applied as a high-build and full-flowing undercoat to bridge considerable differences in colour. Avoid great differences in colour between priming coats and topcoat.

Conditions of application:

Air temperature:	10-35°C
Surface temperature:	10-35°C
Paint temperature:	10-35°C

To achieve sufficient curing, the maximum relative air humidity should not exceed 80 %.

The surface temperature must be at least 3°C above the dewpoint to prevent condensation.

It is recommended not to apply the primer under adverse weather conditions. During application and drying in a confined and/or small workshop, continuous ventilation is required to extract solvent fumes for health and safety reasons as well as to assist the drying process.

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SUITABLE SUBSTRATES

General: Prior to application, the substrate must be dry and free from dust, dirt and grease. Remove these contaminants by means of the water-soluble cleaning agent, e.g Flexa Liquid Rinser or Sikkens Yachtpaints Thinner 600, if necessary.

Steel: Remove the rust from steel to a surface finish conforming St 3 or preferably blast-clean to a surface finish conforming Sa 2½ of ISO Standard 8501-1.

Steel with a shop primer: A shop primer must be suitable, cleaned and in good condition, applied to a steel surface blast-cleaned to a surface finish conforming Sa 2½.

Note: Not suitable for aluminium, stainless steel and galvanized steel.

Wood: New wood shall be dry, sanded, clean, dust and grease free. Apply an initial coat of Universal Primer thinned by approx. 25% to new, untreated wood, to be followed by the application of one or several subsequent coats. If maintenance jobs are to be carried out, clean down the surface overall. Remove oil and grease by means of the water-soluble cleaning agent, e.g Flexa Liquid Rinser or Sikkens Yachtpaints Thinner 600 or detergent. Remove non-adhering paint coatings and sand down the surface overall.

For more information about the surface preparations of the different substrates see our information leaflet "Surface preparations" in chapter 8 miscellaneous.

SANDING INDICATIONS The gritsize of sandpaper affects the appearance and adhesion of the paintsystems. For more information we refer to the leaflet "Sanding Indications".

RECOATABILITY With Universal Primer, Super Gloss, Anti-Slip Deckpaint Extra and Super Gloss Waterlijnverf.

PAINT SYSTEMS For any further technical information, please contact a Sikkens Yachtpaints dealer.

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FURTHER INFORMATION

- Labelling:** Labelling to EC Directive.
- Empty containers:** Containers which have not been cleaned come under the national transport laws. On disposal, they must be labelled as delivered by Akzo Nobel Coatings.
- Disposal of remainders:** Remainders of this product cannot be disposed of through the Municipal Cleansing Department or dumped without permit. Disposal of remainders must be arranged for in consultation with the authorities.

HEALTH & SAFETY INFORMATION

See for transportcodes, ventilation and safety regulations our Material Safety Datasheet and the label.

GENERAL NOTES

The effectiveness of our paintsystems is based on a laboratory research and many years of practical experience. Nevertheless, we cannot accept without prior investigations, any responsibility for the work produced according to these specifications, as the final result also depends on factors beyond our control.

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This datasheet replaces all previous issues. Editing a new version will outdate this datasheet. When using this datasheet always secure that you have the latest version.

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