

simplex

SIMKYD PN.1521.NA

1K anticorrosive universal primer



**Agricultural,
Construction
& Earthmoving
(ACE)**



**Buses
& Truck
Cabins**



**Commercial
Vehicles
& Cranes**



**Fork-lift
& Handling
Equipment**



**Machinery
& Technical
Equipment**

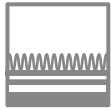
PRODUCT DESCRIPTION

Efficient, versatile, anticorrosive 1K primer with zinc phosphate is an excellent choice for painting industrial or agricultural machinery, cranes, elevators, containers, or steel constructions. When repainted with **SIMPLEX** topcoats from the **SIMKYD** family, it creates a durable coating with high aesthetic qualities and anticorrosion protection at the C3-M (C4-L) level.

As a 1K product, it is characterized by a very fast drying time and easy application. It can be applied using various methods such as airspray, airless, airmix, roller or brush. In addition to the traditional steel market, this primer can also be successfully applied to wooden surfaces.

TECHNICAL DATA

Density at 20°C	1,6 +/-0,02 kg/l	
Delivery viscosity	100-120 KU	
Solids content of A component	76,6 %	by weight
	60,1%	by volume
V.O.C of the product	363 g/l	
V.O.C in the mixture (A+B)	483 g/l	
Available colours	●	
Available thinners	Thinners for alkyds	
Gloss 60°	< 5% (deep matt)	
Theoretical yield	11-12m2 (50µm)	



THE TYPE OF SUBSTRATE TO WHICH THE PRODUCT CAN BE APPLIED

Steel or wooden surfaces



SURFACE PREPARATION BEFORE PAINTING

In any case, the surface should be free of any dirt, oxides or grease prior to painting. Fast **CP 015** or slow **CP 016** degreaser can be used to degrease the surface.

Steel, black steel

For best results, it is recommended that the surface should be pre-treated to at least Sa2.5 or manually matted with abrasives to St3 grade.

Wood

The wooden surface should be thoroughly cleaned (brushed) of dust and loose dirt before applying the primer.



PRODUCT PREPARATION

The mixing ratios with thinners: As a 1K product, it only requires thinning from 5 to 30% with an alkyd thinner, depending on the needs and the selected type of application.



APPLICATION

The substrate temperature should be at least 3°C higher than the dew point. Application in rooms with adequate ventilation is recommended.



CONVENTIONAL SPRAYING traditional spraying gun / airspray / diaphragm pump			
nozzle	air pressure	air assisted pressure	application viscosity DIN 4 mm at 20°C
1,5-2,0	2-3 BAR	not applicable	20-25 sec.
AIRMIX			
nozzle	air pressure	air assisted pressure	application viscosity DIN 4 mm at 20°C
0,011-0,014	2-3 BAR	1,5-2,8 BAR	25-35 sec.
AIRLESS			
nozzle	air pressure	air assisted pressure	application viscosity DIN 4 mm at 20°C
0,011-0,015	2-4 BAR	not applicable	40-60 sec.



APPLICATION

1,5-2 layers of
40-60 µm each



FLASH OFF

5-10 min
depending on
the layers (WFT)



ROLLER APPLICATION

0-10%
thinners



DRYING TIME

Dust dry	~ 15 min at 20°C
Ready to handle	2 h at 20°C
Touch dry	30-45 min at 20°C
Through dry	30 days

The products should be stored in tightly closed packaging in a ventilated and cool room. Recommended storage temperature: 5-30°C. Protect from sunlight. Shelf life: 24 months from date of production.