

Technical information

SIGNO primer 2K PUR

two-component primer for increasing adhesion on concrete substrates

DESCRIPTION OF MATERIAL

SIGNO primer 2K PUR is a two-component polyurethane primer on basis of acrylic binder and aliphatic isocyanate hardener. The primer contains no aromatic solvents. It is intended to increase adhesion of one-component and two-component road materials on concrete substrates.

DATA ON MATERIAL

Colour shade	colourless	
Density of component A	0,92 – 0,97	kg/dm ³ (20 °C)
Viscosity of component A	20 – 25	s DIN 53211 – 4 (20 °C)
Viscosity A + B	17 – 22	s DIN 53211 – 4 (20 °C)
Density A + B	min. 32,0	wt. %
Mass mixing ratio A : B	SIGNO primer 2K PUR : SIGNO hardener 2K PUR = 8 : 1	
Pot life	12	h (20 °C)

WORKING CONDITIONS

Dry surface, free from dust, salts and oil stains. Air temperature in the area between 7 °C and 35 °C, relative air humidity max. 80%. Concrete humidity under 4%, under condition up to 6%, over 6% the material should not be applied.

Surface temperature:

- over 15 °C recommended temperature for application of material
- 10 °C – 15 °C at the application the prolonged drying time by 30 min and hardening time by 24 hours should be considered
- under 7 °C material should not be applied.

Surface temperature max. 35 °C.

PREPARATION OF MATERIAL

The hardener is in the prescribed quantity thoroughly mixed into the primer. Material should not be thinned.

APPLICATION

Application with all air-spray and air-less machines, suitable for the application of one-component road paints.

Application with a roller.

After drying of a primer, top coat is applied but not later than in 12 hours.

CONSUMPTION OF MATERIAL

Average consumption of system of material A + B is 0,1 – 0,4 kg/m², which means 95 – 425 µm wet film (25 – 70 µm dry film).

TIME UNTIL PASSED-OVER

At the air and surface temperature 20 °C, relative humidity 60% and material consumption 0,1 to 0,4 kg/m² is the drying time approx. 45 minutes. Under different conditions the drying time is changed.

CLEANING

SIGNO E thinner is used for cleaning of machines and equipment.

WARNINGS

The activated primer should be taken from the machine or used in 12 hours after the addition of a hardener. After the finished work or expiry of 12 hours all parts in contact with the activated primer should be cleaned.

SIGNO hardener 2K PUR reacts with air humidity, therefore the packaging should not be let open.

PACKAGING

20 kg pail SIGNO primer 2K PUR
2,5 kg pail SIGNO trdilec 2K PUR

STORAGE

The shelf life of both components, stored in the originally closed packagings in a covered, dry and cool room at the temperature max. 25 °C is minimally 12 months.

REMARKS

1. Safety instructions are stated in a safety data sheet and on a label.
2. For additional explanations see also www.helios.si.

3. See additional General instructions to technical information for work with materials intended for road marking.
4. Technical information are the result of knowledge, based on laboratory work and practical experience. In case of use of material out of our control we can take over no responsibility and guarantee only for the quality of material itself. We reserve the right to change the data without preceding notice.