

Technical information

SIGNOCRYL 2K epoxy

two-component paint for marking of asphalt and concrete surface

DESCRIPTION OF MATERIAL

SIGNOCRYL 2K epoxy is a two-component fast drying epoxy paint on the basis of epoxy-acrylic binder and the polyaminoamide hardener. The paint is distinguished for a good chemical and mechanical resistance and a high UV resistance. The paint contains no aromatic solvents, lead or chromate compounds.

It is intended for marking horizontal road markings on asphalt and concrete surfaces and for decorative painting. The paint has good adhesion on damp surfaces and it is also applicable in unfavorable weather conditions and in high humidity areas.

DATA ON MATERIAL

Colour shade:	White, yellow, other colour shades on request
Density of component A:	1,57 ± 0,04 kg/dm ³ (20 °C)
Viscosity of component A:	30 – 45 s DIN 53211 – 6 (20 °C)
Viscosity A + B:	20 – 30 s DIN 53211 – 6 (20 °C)
Solid content A + B:	Min. 75,0 wt.%
Mass mixing ratio A : B:	SIGNOCRYL 2K epoxy : SIGNO hardener 2K epoxy = 25 : 1
Pot life:	3 day (20 °C)

ACCORDANCE WITH CERTIFICATES

BASt certificate	2016 DS 02.07
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WORKING CONDITIONS	Dry surface, free from dust, salts and oil stains. The air and surface temperature in the area between 5 °C and 35 °C, The material application out of the defined conditions is possible, yet the drying time will be prolonged.
PREPARATION OF MATERIAL	Prior to use material should be thoroughly mixed. Depending on the temperature and application method it may be thinned, if necessary, with SIGNO E thinner in the quantity up to 3%. If the viscosity is too high, thinner can be added only when the SIGNO hardener 2K epoxy is already mixed in.
APPLICATION	Application with all air-spray and air-less machines, suitable for the application of one-component road paints.
CONSUMPTION OF MATERIAL	Average consumption of material is 0,6 – 0,94 kg/m ² , which means 400 – 600 µm wet film (250 – 360 µm dry film).
CONSUMPTION OF DROP-ON MATERIAL	Retro-reflecting characteristics of the markings are achieved by strewing of glass beads in quantity min. 0,3 kg/m ² max. 5 seconds after the application of the material. The use of glass beads with anti-skid aggregates of granulations up to 800 µm for the markings with the requirements of Type I or the granulations up to 1400 µm for the markings with the requirements of Type II is recommended.

TIME UNTIL PASSED-OVER	At the air and surface temperature 20 °C, relative humidity 60% and material consumption 0,6 kg/m ² is "No-Pick-Up time" max. 15 minutes, the manufacturers recommended time until passed-over is approx. 45 minutes. Under different conditions the drying time is changed.
CLEANING	SIGNO E thinner is used for cleaning of machines and equipment.
WARNINGS	<p>The activated paint should be taken from the machine or used in 3 days after the addition of a hardener. After the finished work or expiry of 3 days all parts in contact with the activated paint should be cleaned.</p> <p>SIGNO hardener 2K epoxy reacts with air humidity therefore the packaging should not be let open.</p> <p>In case of a surface treatment of concrete or asphalt with protection coatings they should be removed before the material application. For better adhesion to concrete surfaces it is obligatory to impregnate the substrate with SIGNO primer 2K PUR.</p>

PACKAGING	25 kg	pail	SIGNOCRYL 2K epoxy
	1 kg	can	SIGNO hardener 2K epoxy
	1500 kg	container	SIGNOCRYL 2K epoxy
	20 kg	pail	SIGNO hardener 2K epoxy
STORAGE	The shelf life of both components, stored in the originally closed packaging in a covered, dry and cool room at the temperature max. 25 °C is minimally 12 months.		
REMARKS	<ol style="list-style-type: none"> 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 is 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. 		

This technical information has supplemented and exchanged all preceding issues.

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