

Technical information

SIGNODUR roll SIGNODUR roll premix

two-component thick layer structural coating for rolling

DESCRIPTION OF MATERIAL

SIGNODUR roll / SIGNODUR roll premix is a two-component coating of cold plastic type and structured surface with good physical-chemical characteristics. The system is primarily intended for marking of horizontal cross markings on roads and larger covering surfaces, where high skid resistances are required.

DATA ON MATERIAL

Material:	SIGNODUR roll	SIGNODUR roll premix
Colour shade:	Colour shades on demand	White
Density:	1,65 ± 0,05 kg/dm ³ (20 °C)	1,70 ± 0,06 kg/dm ³ (20 °C)
Share of glass beads in material:	0 %	25 %
Solid content:	Min. 99,8 wt. % after addition of catalyst and expiry of reaction	Min. 99,8 wt. % after addition of catalyst and expiry of reaction
Mass mixing ratio:	SIGNODUR roll : powder catalyst = 100 : 1	SIGNODUR roll premix : powder catalyst = 100 : 1
Pot life:	13 min (20 °C)	13 min (20 °C)

WORKING CONDITIONS	<p>Dry surface, free from dust, salts and oil stains. Air temperature in the area between 10 °C and 30 °C, relative air humidity max. 80%. Surface temperature, without use of additive SIGNODUR accelerator or SIGNODUR inhibitor should obligatory be in the range between 10 °C and 45 °C.</p> <p>The application of material out of the defined conditions is possible according to instructions of Technical information SIGNODUR accelerator SIGNODUR inhibitor.</p>
PREPARATION OF MATERIAL	Material should not be thinned and should be only thoroughly mixed before use.
APPLICATION	<p>Manual application with rakes and a roller:</p> <ul style="list-style-type: none"> – the edge of the surface intended for marking is marked with adhesive tape – catalyst is thoroughly mixed into base material – the mixture is strewn to the surface and distributed evenly with a grapple or trowel in a thickness of 2 - 2.5 mm – structured surface with hub height above 3 mm is created by rolling with a special foam roller for coarse structures – glass beads are dispensed immediately (if necessary) – adhesive tape is removed before the material hardens.
CONSUMPTION OF MATERIAL	<p>SIGNODUR roll (premix): The material consumption for the structured surface and the height of the hoods above 3 mm is 2.6-3.0 kg/m², which yields per component from 2.6 to 3.0 kg/m² of SIGNODUR roll + 0.026 to 0.030 kg/m² of powder catalyst.</p> <p>Material consumption depends primarily on the roughness of the substrate. The under-consumption of the material creates undistinctive surface structure.</p>

CONSUMPTION OF DROP-ON MATERIAL	Retro-reflecting characteristics of 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.
TIME UNTIL PASSED-OVER	At an air and surface temperature of 20 °C, a relative humidity of 60% and material consumption from 2,6 to 3,0 kg/m ² , the manufacturer recommends time until passed-over approx. 30 minutes. Under different conditions, the hardening time is changes.
CLEANING	SIGNO E thinner is used for cleaning of machines and equipment.
WARNINGS	<p>Additional quantity of catalyst and/or additional quantity of SIGNODUR accelerator at the temperature 20 °C will shorten pot life. The decreased quantity of catalyst and/or additional quantity of SIGNODUR inhibitor at the temperature 20 °C will extend pot life.</p> <p>The detailed instructions are stated in Technical information SIGNODUR accelerator SIGNODUR inhibitor.</p> <p>On new asphalt surfaces it is necessary to make a test of material adhesion to surface in advance.</p> <p>Two-component cold plastics should not be applied on badly worn out old markings, painted with thin layer road marking paints.</p> <p>To ensure a suitable adhesion of material to preceding milled old asphalt surfaces the impregnation of the substrate with SIGNO primer 2K PUR is recommended.</p> <p>In case of surface treatment of concrete with protection coatings they should be removed before the application of material. To ensure a suitable adhesion of material to concrete surfaces the substrate should be obligatory impregnated with SIGNO primer 2K PUR.</p>

PACKAGING	White	30 kg	pail
	Colour shades on demand	15 kg	pail
STORAGE	The shelf life of the material, stored in the originally closed packaging in a covered, dry and cool room at the temperature max. 25 °C is minimally 6 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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