

TEKNOROAD 2200

road marking compound (cold plastic)

COATING TYPE	TEKNOROAD 2200 road marking compound is a two-component, fast-curing and solvent-free product.		
USAGE	TEKNOROAD 2200 is used to produce permanent markings (e.g. white lines, borderlines, guiding arrows and crossing marking) on roads, streets, car parks, airports and other areas where guiding markings for traffic are needed.		
SPECIAL PROPERTIES	<p>TEKNOROAD 2200 is used to produce 2 to 4 mm thick permanent markings, that have very good resistance against traffic abrasion, weather and moisture.</p> <p>The product adheres very well to asphalt and old road markings. It resists short-term petrol and oil stain but not solvents. If needed, reflective glass beads can be strewn on the coating. To increase durability and skid resistance, clean white or colourless crushed glass or limestone can alternatively be strewn on the coating.</p> <p>The coating can be applied mainly with a trowel or draw box.</p>		
TECHNICAL DATA			
Mixing ratio, +23 °C		10 liter can	20 liter can
	Base (Comp. A):	9 l	18 l
	Hardener (Comp. B): TEKNOROAD HARDENER 2000	0.5 - 1 dl	1 - 2 dl
Pot life, +23 °C	10 - 15 min depending on the amount of the hardener. If the mixed coating is stored in the mixing vessel, the reaction heat may reduce its pot life.		
Solids	abt. 100 % by volume		
Total mass of solids	abt. 2200 g/l		
Volatile organic compound (VOC)	abt. 0 g/l		
Recommended coat thickness and theoretical spreading rate	Recommended film thickness is 2 mm and the theoretical spreading rate is 0,5 m ² /l for the ready paint mixture. Roughness and porosity of the surface may increase the consumption.		
Drying time at +23°C / 50% RH	Withstands light traffic after 20 - 30 min. At lower temperatures the curing process is slowed down, but it can be accelerated by adding Hardener more than specified. However, even in low temperatures Hardener is not be used more than a double quantity compared to the quantity in the temperature of +23 °C.		
Thinner	TEKNOROAD 2200 is not allowed to be diluted with any thinner.		
Clean up	TEKNOSOLV 4039 or TEKNOSOLV 9514		
Finish	Semi-matt		
Colours	White, yellow and several special colours. White and yellow come up to the requirements for brightness and colour prescribed by the Finnish Transport Infrastructure Agency.		
SAFETY MARKINGS	See Safety Data Sheet.		

DIRECTION FOR USE**Surface preparation**

The surface to be painted must be dry and free from oil and grease. Prior to painting the surface must be cleaned from all loose matter (e.g. dust, sand and clay) that may weaken the adhesion of the paint to the surface.

Furthermore, when painting concrete surfaces, dense laitance must be thoroughly removed before painting by shot-blasting, surface grinding, etching or by some other appropriate method.

Etching is done with RENSA ETCHING etching liquid or with diluted hydrochloric acid (1 part acid to 4 parts water). Rinse the surface with water after etching and allow to dry.

We recommend that the top layer of the concrete surfaces is always removed in order to ensure good adhesion.

When painting concrete surfaces the casting must be at least 4 weeks old and well-hardened so that all moisture from casting is bound and the surface dry. The moisture of the concrete to be painted must not exceed 5% by weight.

Application conditions

During the application and curing the temperature of air, surface and material must over +5°C and the relative air humidity below 80 %. Markings can also be made at temperatures between 0 and +5°C, if the curing is quickened e.g. with an LP gas burner.

Mixing of the components

Before the application, the base and the hardener are mixed carefully, preferably by using an air-pressure drill.

Coating

METHOD 1: Mask with tape or aligning tray and spread the compound e.g. with a trowel.

METHOD 2: The product is applied by a hopper.

METHOD 3: The product is applied by rollerbox applicator (either pushable or engine-operated).

ADDITIONAL INFORMATION

The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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