
TEKNOROAD 3020

Road Marking Paint

PAINT TYPE	TEKNOROAD 3020 is a fast-drying, matt, water-borne dispersion paint that is resistant to weather and light.
USAGE	Used on asphalt and on oil gravel for marking of roads and related carriageways, parking places, air fields and other areas with traffic.
SPECIAL PROPERTIES	<p>The paint is extremely fast-drying. When the temperature is above +20°C, traffic can be allowed on the painted surfaces after 3 minutes without causing damage to the paint. At lower temperatures the drying is slower, but even then it is fast enough for the paint to be used when the temperature is e.g. +5 - +10°C. After application the paint is water-soluble for about 30 minutes, and therefore avoid painting when rain is expected. If the paint is dissolved in rain water they can spread on the road and soil the vehicles.</p> <p>TEKNOROAD 3020 fulfils the quality requirements for road marking paints prescribed by the Finnish Transport Agency.</p>

TECHNICAL DATA

Solids	62 ±2% by volume
Total mass of solids	abt. 1300 g/l
Volatile organic compound (VOC)	abt. 34 g/l
Recommended coat thickness and theoretical spreading rate	<p>WET FILM THICKNESS: 250 µm - 350 µm</p> <p>CORRESPONDING DRY FILM THICKNESS: 160 µm - 220 µm</p> <p>Surface roughness and porosity as well as overspray may reduce the spreading rate.</p>
Thinner	Water
Clean up	Water, TEKNOSOLV 9515
Finish	Matt
Colours	<p>White and yellow</p> <p>Both colours come up to the requirements for brightness and colour prescribed by the Finnish Transport Agency.</p>

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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 dust, sand, clay and all other loose matter that may weaken the adhesion of the paint to the surface.

Application

The paint can be used as such for conventional and airless spraying.

When required the paint can be heated up to +30 - 60C° before use, using a flow-through type heater. The increased temperature will standardize the spraying properties and shorten the drying time.

Avoid painting when the relative humidity of the air exceeds 75%, as this slows down the drying considerably.

Thinning the paint should be avoided.

Do not paint more than 400 µm in a single operation. Thicker paint films will crack and may come loose from the surface.

To achieve retro-reflectance, it is recommended that glass beads are strewn on the fresh paint coat.

Painting equipment

NOTE! TEKNOROAD 3020 paints will react with zinc and metal alloys containing zinc, like brass. Thus metal surfaces gather some deposits, which will appear as small particles on the filters and nozzles. In worst cases the fittings will get blocked all together. That is why all the equipment which touches the paint is to be of stainless steel or acid proof steel.

Aluminium will not cause any deposits, but will corrode of the action of the paint. Therefore the use of aluminium should be avoided.

The painting equipment must be carefully cleaned if it has been used for applying other road marking paints, e.g. solvent-borne TEKNOROAD. Detailed cleaning instructions are given by Teknos. Always contact Teknos before using TEKNOROAD 3020 for the first time, in order to avoid failures and damages in application.

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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