

TEKNOROAD 280

Road marking paint

TEKNOROAD 280 Road marking paint is a fast-drying, matt acrylic paint that is resistant to weather and light.



Used on asphalt, oil gravel and concrete for marking of roads and related carriageways, parking places, air fields and other areas with traffic.

TEKNOROAD 280 dries extremely fast. When the temperature is above +20°C, traffic can be allowed on the painted surfaces after 5 minutes without causing damage to the paint. The drying is slower at lower temperatures but even then it is fast enough for the paint to be used when the temperature is e.g. +5 - +10°C. Tinting the product with large amounts of tinting paste may affect on the drying time.

TEKNOROAD 280 meets the quality requirements for road marking paints prescribed by the Finnish Transport Infrastructure Agency.

TECHNICAL DATA

Certificates, approvals and classification	Finnish Transport Infrastructure Agency
Fields of application	Road markings
Recommended substrate	Asphalt, Concrete
Binder	Acrylic
Solids	53 ±2% by volume
Total mass of solids	Approx. 1200 g/l
Volatile organic compound (VOC)	Approx. 430 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
Theoretical spreading rate	The theoretical spreading rate is 2 - 3 m ² /l when using the recommended film thicknesses. Surface porosity as well as overspray may reduce the spreading rate.
Film thickness	Recommended wet film thickness: 400 µm Corresponding recommended dry film thickness: 230 µm

Colours	White and yellow. White and yellow come up to the requirements for brightness and colour prescribed by the Finnish Transport Infrastructure Agency. In addition also black and alarm red and base paints 1, 2 and 3. Base paints can be tinted with tinting pastes, but the colour accuracy is not complete.
Tinting system	Teknotint
Gloss (60°)	Matt
Thinner	TEKNOSOLV 9514 or TEKNOSOLV 4039.
Storage	The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

DIRECTION FOR USE

Surface preparation	<p>The surface to be treated must be dry and clean. Loose matter that may weaken adhesion, such as sand, gravel, moss and other kind of growth, poorly adherent previous markings, oil and grease must always be carefully removed before applying the marking material.</p> <p>If the markings are applied on concrete surface, 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 must not exceed 5% by weight.</p> <p>Dense laitance must be thoroughly removed before painting by scarifying, shot-blasting, surface grinding, etching or by some other appropriate method.</p> <p>The etching is done with RENSA ETCHING etching liquid or by diluted hydrochloric acid (1 part of concentrated acid to 4 parts of water). Rinse the concrete surface with water after etching and allow to dry.</p> <p>If the concrete surface has previously been treated with a water and dirt repellent coating, dust binder etc., it is particularly important to use a sufficiently effective surface preparation method such as scarifying, which is sufficient to break the adhesion-resistant coating and thus to ensure the best possible adhesion to the substrate. Marking on coated concrete without adequate surface preparation may cause markings to detach from the substrate.</p> <p>We recommend that the top layer of the concrete surfaces is always removed in order to ensure good adhesion.</p>
Application method	Airless spraying, Low-pressure spraying

Application	Stir thoroughly before use.
	The paints are suitable for application by either low-pressure spray or airless spray.
	To achieve retro-reflectance, it is recommended that glass beads are strewn on the fresh paint coat.
Application conditions	The surface to be treated must be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +5°C and the relative air humidity below 80%.
Cleaning	TEKNOSOLV 9514 or TEKNOSOLV 4039.

HEALTH AND SAFETY

Safety and precaution measures	See safety data sheet.
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