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| Description of product | 1-component solvent borne road marking paint with low content of organic solvents. Suitable for pneumatic and airless spray application. |
| Area of application | Suitable for the application of centre and edge lines on concrete and bituminous surfaces on country roads, national roads, state roads and highways. When used in high trafficked areas the marking must have hardened completely before the area is reopened for traffic. |
| Technical characteristics | |
| Binding agent: | Pure acrylic polymer |
| Colour: | Various colour tones available so far, more on request: 3SRoute™ Polykolor 1023 Traffic Yellow 3SRoute™ Polykolor 3020 Traffic Red 3SRoute™ Polykolor 5017 Traffic Blue 3SRoute™ Polykolor 6024 Traffic Green 3SRoute™ Polykolor 7042 Traffic Grey A 3SRoute™ Polykolor 9017 Traffic Black |
| Pigmentation: | Weather-proof organic and inorganic pigments |
| Dry residue: | ~ 75 wt.-% (depending on colour tone) |
| Density: | 1.50 ± 0.04 kg/l (depending on colour tone) |
| Viscosity: | 30 – 40 seconds (according to DIN EN ISO 2431, cup Ø 6 mm) |
| VOC-content: | ~ 25 % (according to VOC-guideline RL 1999/13/EG, depending on colour tone) |
| Additional information: | Free from toxic heavy metals or their compositions. Free from aromatic hydrocarbons. Additional information regarding current legal regulations and information regarding workers health and safety are listed in the Material Safety Data Sheet. Also instructions about transport, handling and storage, disposal and advices regarding first aid, toxicology and ecology are given. The Material Safety Data Sheet has to be read and understood before commencing work. |
| Application properties | |
| Viscosity: | Under normal circumstances the paint can be used directly as delivered. To optimize the spray, the viscosity can be decreased by adding max. 3 % by weight of Dilutant AC (density 0.798 kg/l). |
| Application process: | 3SRoute™ Polykolor must be stirred until homogeneous. The application is made with conventional pneumatic or airless application machines. For airless application the use of nozzles wider than 0.019 inches is recommended. The machine shall be equipped with a sieve 60 mesh. The product may not be used for any purpose other than the intended purpose without the consent of the manufacturer. When used in a different way or when applied on special surfaces, please contact the manufacturer before. |
| Air temperature: | > + 2 °C (> 36 °F) |
| Surface temperature: | + 2 °C to + 50 °C (36 °F to 122 °F) |
| Max. relative humidity: | 85 % H _{rel} |
| Drying time | The lines can be passed-over after < 20 - 30 min. (Relative air humidity 60 % and air temperature 20 °C (68 °F). Higher temperatures may reduce drying time.) |

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| Surface preparation: | <p>Before application, the surface shall be dry, clean, free of dust and loose particles, salt and grease or oil. Surface must be adhesive. Old markings must be checked before over marking.</p> <p><i>Asphalt</i> New bituminous surfaces should be weathered 4 - 8 weeks before final application. Aged asphalt or any asphalt poor in bitumen must be prepared with Geveko Primer (≈ 0.1 kg/m²). It's not recommended to apply this product on asphalt showing large stones (bigger than 2 cm).</p> <p><i>Concrete</i> Fresh concrete surfaces containing a paraffin layer must be mechanically pre-treated by grinding or shot blasting. Any cement residue has to be removed before application. All concrete surfaces have to be prepared with Geveko Primer (≈ 0.1 kg/m²). Also check technical datasheet of Geveko Primer.</p> <p><i>Polished surfaces</i> When coating on smooth surfaces (polished stone, granite, basalt, tile, glazed tiles, etc.) and surface-treated concrete may cause reduced adhesion. In these substrates, we recommend to apply test markings check for proper adhesion after 14 days. The manufacturer will not be liable for failures of adhesion on any polished surface.</p> |
| Use of thinner: | <p>At low temperatures the paint becomes thick flowing. To optimize the spray-viscosity, the paint may be thinned with max. 3 % by weight with Dilutant AC. Do not use any other organic solvents for thinning, because they can cause a flocculation the binding agent! Dilutant AC can also be used as cleaning agent for tools and application equipment..</p> |
| Thickness, wet: | 300 µm – 600 µm |
| Consumption: | approx. 0.45 kg/m ² to 0.90 kg/m ² |
| Storage stability: | <p>9 months after production when kept in the original packaging under proper storage conditions. Please notice that the material can show a tendency towards sedimentation during transport and storage. After having been stirred-up homogeneously, the material will be ready for use again.</p> |
| Storage: | <p>Store in tightly closed original containers in a dry, well-ventilated room at temperatures between +5 °C and +30 °C (41 °F – 86 °F), not directly on the floor and not in the vicinity of heating radiators.</p> |
| Packaging: | <p>Metal bucket with 13.5 kg, 32.0 kg net, plastic container with 720.0 kg net.</p> |