

Product Description	1-component waterborne road marking dispersion paint. Suitable for pneumatic and airless spray application.																				
Area of application	Suitable for the application of centre and edge lines as well as area-markings on concrete and bituminous surfaces. When used in high trafficked areas, the marking must be hardened completely before the area is reopened for traffic.																				
Technical characteristics																					
Binding agent:	Acrylic dispersion																				
Colour:	Various colour tones available, more on request:																				
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Pigmentation:	Weather-proof organic and inorganic pigments																				
Volume dry:	62 – 68 % (depending on colour-tone)																				
Density:	1.60 – 1.75 kg/l (depending on colour-tone)																				
Viscosity:	20 – 50 s (according to DIN EN ISO 2431, cup Ø 6 mm)																				
VOC-content:	< 2 % (according to guideline 2010/75/EU)																				
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 as well as 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																					
Application process:	AquaRoute® UWS should be stirred until it is homogeneous. The application is performed with conventional pneumatic or airless application machines. For airless application, the use of nozzles wider than 0.017 inches is recommended. The machine shall be equipped with a 60 mesh sieve (black code). AquaRoute® UWS can also be applied using brushes or rollers. The product may not be used for any purpose other than the intended purpose without the consent of the manufacturer. Before using in a different way or applying on special surfaces, please contact the manufacturer.																				
Air temperature:	> 10 °C																				
Surface temperature:	+ 10 °C to 50 °C																				
Max. relative humidity:	85 % H _{rel}																				
Pass-over time:	20 – 30 min (Relative air humidity 60 % and air temperature 20 °C (68 °F). Higher temperatures may reduce drying time.)																				
Rain resistance:	Approx. 30 min after the pass-over time has been reached. In case of thick paint films applied and high air humidity (> 75 % H _{rel}), the time until rain resistance is reached can significantly increase.																				
Surface preparation:	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. <i>Asphalt</i> New bituminous surfaces should be weathered 4 – 8 weeks before final application. Aged asphalt or any asphalt poor in bitumen has to be prepared with AquaRoute® UWS Primer (≈ 0.2 kg/m ²). It's not recommended to apply this product on asphalt displaying large stones (larger than 2 cm). <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 AquaRoute® UWS Primer (0.2 kg/m ²). Also, check the technical datasheet of AquaRoute® UWS Primer.																				

Surface preparation: *Polished surfaces*
Application on smooth surfaces (polished stone, granite, basalt, tile, glazed tiles, etc.) or surface-treated concrete may cause reduced adhesion. For these substrates, we recommend to apply test markings and check for proper adhesion after 14 days.
The manufacturer is not liable for failures of adhesion on any polished surface.

Thinning: At low temperatures, the paint becomes thick-flowing. To optimize the spray-viscosity, the paint may be thinned with max 1 % by weight with **pure water**.
Do not use any organic solvents for thinning, because they will destroy the water borne binding agent irreversibly!
If a paint skin occurred, do not try to dissolve or stir it, because it is no more water soluble. The paint skin has to be removed completely to avoid blocking of filter and nozzle.

Cleaning: Please only use clean water.

Thickness, wet: 400 µm

Consumption: 0.4 l/m² ≈ 0.668 kg/m² (reference density: 1.67 kg/l)

Width	Quantity
8 cm	32 l = 33.4 kg
10 cm	40 l = 41.8 kg
12 cm	48 l = 50.1 kg
15 cm	60 l = 62.6 kg

Storage stability: 6 months after delivery when kept in the original packaging under proper storage conditions. Please note that the material can show a tendency towards sedimentation during transportation and storage. In this case, the material can be stirred until it is homogenous, and it will be ready to use again.

Storage: 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.

Packaging: 30.0 kg net. Metal bucket with, 900.0 kg net container .