

TECHNICAL INFORMATION
SWARCO AQUAROLL ECO WP15



SWARCO AQUAROLL ECO WP15

Art.-No.: 11709WPS white
 Art.-No.: 29WP3011S brown red
 Art.-No.: 29WP....(RAL)S colored

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Important Information:

Please consider our General Terms and Conditions and the general notes of the Technical Information Sheet! No liability is accepted for any errors! The information is provided to our best knowledge and experience. This information is, however, no warranty for any properties of the material. We provide this information without obligation, also regarding the rights of third parties. The user has to make sure that the material is appropriate for the respective application.

1 Main characteristics / Fields of application

SWARCO AQUAROLL ECO WP15...

- is a waterborne, environmentally friendly road marking plastic
- is formulated with particular elasticity and is especially suitable for large scale coatings
- is characterized by excellent skid resistance values in its composition and does not require any additional after-sprinkling agents (skid resistance agents)
- is suitable for both bituminous (e. g. mastic asphalt, asphaltic concrete) and concrete surfaces
- is suitable for application manually by roller or trowel and squeegee

2 Technical Data

Colour	brown red approx. RAL 3011 other colors on request
Density	approx. 1.79 kg/l +/- 0.04
Solid content	min. 75%
Solid body	approx. 72%
Thinner	max. 2% water to optimize the material's properties Cleaning of equipment and machinery with water
Storage stability	6 months (unmixed), in sealed original packaging; protect from frost and direct sun light
Drying time / Trafficability	depending on climate (temperature, humidity, wind) material, layer thickness and road surface. In general, the markings' trafficability must be checked before exposing them to traffic impact.
Standard packaging	SWARCO AQUAROLL ECO WP15: Plastic containers of 15/30 kg filling weight Larger container upon request Other container / filling weights on request Drop-on material: paper bags with PE-inlay – 25 kg filling weight
Identification	The regulations and instructions concerning appropriate transport, handling, storage, first aid measures, toxicology and ecology are stated in our material safety data sheets! The instructions stated on the product label and in the MSDS must be followed.
Processing temperature	min. +15°C
Surface temperature	+15C to +45°C
Relative humidity	max. 75 % (dew point spreadsheet has to be regarded)
WOT (Wash-out-time)	Approx. 90 minutes after application depending on layer thickness and climatic conditions.
Theoretical consumption	Approx. 1.79 kg/m ² , actual consumption depends on applied thickness and type and state of the surface.

3 Processing instructions

3.1 Preparation of material and application technique

Before processing SWARCO AQUAROLL ECO WP15 must be stirred in the original container. SWARCO AQUAROLL ECO WP15 is solvent-free and must be applied without adding solvent (Optimizing of application properties see 3.2.).

Machines, tools and auxiliaries must be cleaned before the paint dries, using water. It is important that the material must be spread evenly over the entire application.

3.2 Optimizing of application properties

The application properties of the material depend upon the temperature of the air and surface. Proper storage conditions improve application conditions.

For optimizing application properties, respectively reduction of viscosity, max. 1% water can be added when temperatures of material, air and surface are low.

Attention: Limit the material mixed with water of the needed quantity, otherwise viscosity or settle properties may changing.

4 Surfaces / surface preparation

4.1 General information

The surface must be dry, clean, free from grease, oil and loose gravel and other contaminations. The surface and potentially existing old markings must be checked for their carrying capacity and compatibility with the material to be applied. In case of doubt, test applications and adhesion tests are required.

4.2 Concrete or cement-bound surfaces

The pavement components that prevent good bonding, especially on new concrete, e. g. fine mortar layers, concrete slurries, concrete after-treatments as setting retarders, paraffins, impregnations on silicate basis etc. must be properly removed (e. g. with high pressure waterjet, fine millcut or similar). We recommend conducting test applications in case of uncertainty.

On new washed concrete surfaces (with grit) poor bonding properties may occur, not caused by marking paint quality. Therefore, we recommend applying test markings.

4.3 Bituminous surfaces

Any loose components such as chippings must be removed. On new asphalt surfaces additives (fluxoils, adherents etc.) are detrimental to good bonding of markings and can cause discolorations on marking paints. Before application test markings / bonding checks are necessary.

4.4 Cobbled pavement

Natural, artificial and compound stone pavements are loose surfaces that move. Basically, they are no suitable surfaces for SWARCO AQUAROLL ECO WP15. No guarantee is given in cases of: crack formation, chippings caused by the movement of pavement parts, poor marking bonding (e. g. on natural or artificial stones), penetration of moisture, wear of marking. It is assumed that marking bonding is sufficient. In case of doubt test markings / bonding checks are necessary.

4.5 Floor coatings

For markings on floor coatings resp. special indoor- and industrial floors from our line of products "SWARCO SAFETY-LINE" should be used. SWARCO AQUAROLL ECO WP15 is not suitable therefor.

5 Application techniques

Manually with squeegee or trowel and roller. The marking paint must be homogeneously stirred in the original container before processing! The uniform spread of marking material and drop-on material over the entire application surface must be observed.