



SWARCO LIMBURGER LACKFABRIK GmbH

Road Marking Systems



2-component EP-Primer

TECHNICAL INFORMATION

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2-component EP-Primer

SWARCO LIMBURGER LACKFABRIK GmbH
Road Marking Systems

2-component EP-Primer

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Special application - Primer

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2-component EP-Primer

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1 Main characteristics / Field of application

2-component EP-Primer...

- is a high-quality, solvent-based, aromatic-free 2-component primer for pretreatment of bituminous surfaces (mastic asphalt, asphalt concrete), concrete and cement-bound surfaces
- suitable for application to humid surfaces (e.g. fresh concrete or residual humidity (> 4%))
- is an excellent priming and bonding product for concrete entering capillary cracks and thus causes a compacting effect on porous or millcut concrete surfaces
- 2-component EP-Primer must not be applied in too thick layers because of its long drying and curing time
- 2-component EP-Primer must no longer be tacky when applying the road marking material
- suitable for airless- and airspray technique

2 Technical Data

Color	transparent
Density	approx. 0.9 kg/l +/- 0.1
Potlife	approx. 1 day (depends on hardener quantity, air- surface- and primer temperature)
Mixture ratio	Base component (2-component EP-Primer) : Hardener (8623) = 2 : 1
Curing time	min. 8 hours (at 20°C) depends on climate conditions (temperature, humidity, wind) material, layer thickness and road surface. In general markings' overrollability must be checked before exposing them to traffic impact
Thinner	If required add 5% Thinner for 2-component EP (Art. No.: 3130). Thinner from manufacture must be used only
Cleaning dilution	Cleaning must be conducted before material is completely hardened by using 2-component EP-Primer, Art.-No.: 3130
Storage stability	6 months, unmixed in sealed original packaging and sheltered from frost and direct sun exposure
Standard packaging	2-comp. EP-Primer: cans with 5/10 l Hardener 8623: cans with 2,5/5 l, fillings corresponds with mixing ratio Attention: all hardener types are organic peroxides – they must be separately packaged, transported and stored from the primer in special container (special cartons and boxes)
Identification	The regulations and instructions concerning appropriate transport, handling, storage, first aid & measures, toxicology and ecology are stated in our material safety data sheet! The instructions stated on the product label and in the MSDS must be followed
Processing temperature	min. + 5°C
Surface temperature	+ 5°C to + 45°C
Relative humidity	max. 75% (consider dew point table)
Layer thickness	Approx. 50 - 100 µm
Theoretical consumption	approx. 0.10 – 0.30 kg/m² = 0.11 – 0.33 l/m² Actual consumption depends on applied thickness and type and state of the surface

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3 Surfaces / Pretreatment

The surface must be dry, clean, free from grease, oil and loose gravel & other contaminations. The surface and any existing old markings must be checked for their carrying capacity and compatibility with material to be applied. In case of doubt, application and adhesion tests (along with final marking material) are required. Ideally old markings should be removed with appropriate mechanical procedures.

The pavement components that prevent good bonding, especially on new concrete, including fine mortar layers, concrete slurries, concrete after-treatments as setting retarders, paraffin, impregnations on silicate basis etc. must be appropriately removed (e.g. with high pressure waterjet, fine millcut or similar).

Application of 2-component EP-Primer must ensure sufficient wetting on concrete. The EP-Primer provides solidification of porous concrete surfaces. Consumption depends on applied thickness, substrate absorbency and type and state of surface.

If required 2 applications are to be applied. After application and airing-time final marking can be performed.

2-component EP-Primer can also be used for priming of old bituminous surface that needs improved surface properties.

4 Application techniques

Application is executable with lambskin roller or by airless- and airspray technique.

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