

TECHNICAL INFORMATION

2-COMPONENT PRIMER B71 FOR CONCRETE



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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 / Field of application

2-component Primer B71 for concrete...

- serves as fast curing primer before applying 2-component cold plastic on concrete
- suitable for bonding checks in order to measure the carrying capacity of existing old markings and/or bonding of new applied markings on old markings
- applicable by roller or brush

2 Technical Data

Color	transparent
Density	approx. 1.01 kg/l +/- 0.1
Potlife	5 – 10 min. (depends on hardener quantity, air- and material temperature)
Mixture ratio	Base component (2-component primer B71 for concrete) : hardener (BPO) = 100 : 3
Curing time	approx. 30 min. Depends on climate conditions (temperature, humidity, wind) material, layer thickness and road surface. In general, the markings' over rollability must be checked before exposing them to traffic impact. Primer B71 must be hardened before subsequent marking application, B71 can be still sticky.
Solvent for cleaning	Special cleaner for marking machines Art.-No.: 3086
Storage stability	6 months, unmixed in sealed original packaging and sheltered from frost and direct sun exposure
Standard packaging	2-comp. primer B71 for concrete: cans with 2,5/5/10/25 kg Hardener powder: in PE-bags, filling weight corresponding to mixing ratio and container content Attention: all hardener types are organic peroxides – they must be separately packaged, transported and stored from the cold plastic in special containers (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. 100 - 200 µm
Theoretical consumption	approx. 0.10 – 0.20 kg/m ² Actual consumption depends on applied thickness and type and state of the surface

3 Processing instructions

Prior to application 2-comp. Primer B71 for concrete must be stirred in its original container until of even consistency. Use only the quantity needed for the next marking job. The hardener powder is then added into the base component at the indicated mixing ratio and again stirred until of even consistency.

2-comp. Primer B71 for concrete is solvent-free and must be applied without adding solvent.

Machines, tools and auxiliaries must be cleaned before product cures, using Special cleaner for marking machines (Art.-No.: 3086).

4 Surfaces / Pretreatment

4.1 General information

The surface must be dry (including joints; it may not have rained a week), clean, free from grease, oil & loose gravel and 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 are required. Ideally old markings should be removed with appropriate mechanical procedures.

4.2 Concrete and cement-bound surfaces

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 primer B71 for concrete must ensure sufficient wetting on concrete. It is only allowed to work with roller or brush. Consumption depends on substrate absorbency. Do not apply 2-component primer B71 for concrete too thick! Humidity of concrete must not exceed 4 %.

4.3 Cobbled pavements

2-comp. Primer B71 for concrete is used for priming in-situ concrete and concrete paving only. Cobblestone pavement, natural- and artificial stones have to be primed by 2-comp. Primer B55 for cobbles.

For concrete pavements: formation of cracks and/or spalling of marking material, low bonding properties, shift of marking layers and fast wear, caused by or without traffic impact, no warranty is given by the manufacture.

5 Application techniques

Application of 2-comp. Primer B71 for concrete is carried out by brush or roller. Short potlife of the primer B71 does not allow machine processing. 2-comp. Primer B71 for concrete mixed with powder hardener has to be spread evenly. Laying adhesive tape help avoiding underflowing of Primer B71 for concrete outside marking size, no covered B71 have undesirable reflective properties under wet conditions. After curing of 2-comp. Primer B71 for concrete marking material (e.g. cold plastic) can be applied.

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