

PRODUCT DATA SHEET

Casco[®] VD Universal Primer

A solvent-free dispersion primer concentrate for absorbant substrates

DESCRIPTION

A solvent-free synthetic resin dispersion primer concentrate for reducing absorbency, protecting absorbant substrates against moisture from the levelling compound, and improving adhesion for levelling compounds on absorbent substrates.

USES

- For indoor use only.
- For floor and wall.
- Suitable for substrates with underfloor heating.

CHARACTERISTICS / ADVANTAGES

- Solvent free
- Low consumption
- Concentrate, can be diluted with water
- Easy to apply
- Good adhesion to the absorbent substrates
- Can be applied to almost all substrates

APPROVALS / CERTIFICATES

- EC1 Plus
- M1

PRODUCT INFORMATION

Composition	Synthetic resin dispersion, solvent free
Packaging	1 kg bottle (x 12 in box), 5 kg canister, 10 kg canister Please contact our customer service, for information of what packaging sizes are sold in Denmark.
Shelf life	12 months in unopened package. Opened package should be closed immediately and used up as soon as possible.
Storage conditions	In cool, dry, frost-free conditions, not below + 5 °C.
Colour	Light blue
Density	1,04 kg/l
Solid content by volume	approx. 30 %
pH-Value	approx. 8,0

APPLICATION INFORMATION

Mixing ratio	Read below in chapter "Mixing".
Yield	10 - 25 m ² / kg (40-100g/m ²), depending on the type and absorbency of the substrate, applicator device and mixing ratio.
Ambient air temperature	+5°C to +25°C (subfloor not below +5°C)

Waiting time to overcoating

- Adhesion improvement and absorption reduction approx. 0,5 hours
- As moisture protection approx. 24 hours

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

Casco® VD Universal Primer can be used as a primer for reducing absorbency, to improve adhesion for levelling compounds on absorbent substrates and to protect absorbent substrates against moisture from levelling compounds during the application phase. Also, it can be used as an additive for bonding slurry preparation.

For non-absorbent surfaces, Casco® VD Super Grip is recommended.

EQUIPMENT

Brush or roller.

SUBSTRATE QUALITY

Casco® VD Universal Primer is suitable on:

- Concrete
- Light concrete
- Cement and rapid cement screeds
- Calcium sulphate-based screeds
- Gypsum plaster (according to EN 13279-1)
- Cement plaster, lime-cement plaster (CS I - CS IV according to EN 998-1)
- Old substrates with old water-resistant adhesive residues
- Gypsum board
- Wooden substrates

REQUIREMENTS OF SUBSTRATE

- Adequate strength, bearing strength, dimensional stability and permanent dry.
- Free of layers which reduce adhesion, e.g., dust, dirt, oil, fat, wax cleaning agents and loose particles.
- Layers of water-soluble adhesives, e.g., sulphite adhesives, should be removed completely.
- Old water-resistant adhesives should be mechanically removed as thoroughly as possible.
- Rooms that do not have a cellar underneath must be sealed against rising dampness in compliance with the standard.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

SUBSTRATE PREPARATION

Mechanically remove areas of loose surfacing, pollutants, and cement skin, if any. Vacuum clean the surface. The underlying surface must be firm, clean, and dust-free before priming.

MIXING

For reducing absorbency and improving adhesion (primer: water):

Concrete	1:5
Light concrete	1:3
Cement and rapid cement screeds	1:3
Calcium sulphate-based screeds	1:1
Gypsum plaster	1:1
Cement plaster, lime-cement plaster	1:3
Gypsum board	1:1

For protecting absorbant substrates against moisture from levelling compounds during the application phase:

Wooden substrates	1:1
Calcium sulphate-based screeds	1:1
Gypsum plaster	1:1
Substrates with old water-resistant adhesive residues	1:1

For improving adhesion with a bonding slurry:

- Concrete
 - Light concrete
 - Cement and rapid cement screeds
 - Cement plaster, lime-cement plaster
- Bonding slurry preparation (1 part of VD, 3 parts of water + powder) Mixing ratio according to the specification in the product data sheet of the product suitable for preparing bonding slurries.

APPLICATION

Recommended method of working:

- Stir the primer before use.
- Dilute it with cold clean water
- Apply primer evenly on the dry substrate with a brush so that the primer penetrates the substrate efficiently. Puddles must be avoided.
- Levelling compounds can be applied after a drying time approx. 0,5 - 24 hours. Refer to the product data sheets for the appropriate levelling compounds.

In case of using bonding slurry, the application of levelling compound must be done by method "wet on wet".

If the primer is applied on wood or gypsum board, the surface must dry at least 24 h before a leveling compound is applied.

PRODUCT DATA SHEET

Casco® VD Universal Primer

April 2023, Version 02.01

02179040000000039

Note! If the primed surface is older than 72 hours (3d) before applying the leveling compound, the priming needs to be repeated.

CLEANING OF EQUIPMENT

Clean tools immediately with water. Use acetone to remove dried primer.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

PRODUCT DATA SHEET

Casco® VD Universal Primer
April 2023, Version 02.01
02179040000000039

