

PRODUCT DATA SHEET

Casco[®] Cascol Winter

Intended for joint-, assembly and nail gluing of wood indoors under dry conditions.

DESCRIPTION

Cascol Winter can be used within the range of temperature of -10 °C to +30 °C.

USES

Mainly intended for joining wooden materials like joints, mortise and tenon, veneer and paper, assembly gluing, frame moulding manufacture etc. The adhesive is also very well suited for many other materials on cellulose basis, e.g. cardboard, board, textiles, fibre-board etc.

CHARACTERISTICS / ADVANTAGES

- Gluing down to -10 °C
- Good heat resistance
- Long storage time
- Hard glue line with low creep resistance
- Freeze and thaw stable

PRODUCT INFORMATION

Composition	PVAC dispersion
Packaging	750 ml bottle and 5 litre can
Shelf life	24 months from production date in unbroken original sealed package.
Storage conditions	May not continuously be exposed to temperatures below -30 °C or above +30 °C. If the adhesive is stored at low temperatures, shake the bottle before use. Non-sensitive to frost.
Colour	White/Yellowish
Density	Approx. 1,1 kg/litre
Solid content by mass	Approx. 44 %
Consistency	Low viscous

TECHNICAL INFORMATION

Service temperature	-30 °C min. - +60 °C max. after curing
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APPLICATION INFORMATION

Consumption	180 – 200 g/m ²
Material temperature	+5 °C - +30 °C
Ambient air temperature	-10 °C - +30 °C
Open Time	Approx. 5-10 minutes at 23 °C
Pressing time	Approx. 20 minutes at +23 °C Approx. 24 hours below 0 °C

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.

FURTHER INFORMATION

- Safety Data Sheet

IMPORTANT CONSIDERATIONS

- Only to be used in dry areas
- Do not use Casco® Cascol Winter for load bearing constructions
- Do not use at temperatures below -10 °C
- The moisture content of the wood should not exceed 15 %
- When gluing oak the tanning may react with components present in the adhesive causing discoloration. To avoid such problems, a pre-test with the oak shall always be made.

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

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogenous, free from oils, grease, dust and loose friable particles. Casco® Cascol Winter adheres without primers and/or activators. The moisture content of wood should be in the range 5 – 14 %, preferably 7-10 %. Best results will be obtained if the material is freshly prepared by e.g. planing.

APPLICATION METHOD / TOOLS

After the necessary substrate preparation, shake the bottle well before the application. Apply Casco® Cascol Winter with a brush, toothed trowel or roller on one wood surface. When gluing hardwood and exotic wood, Casco® Cascol Winter is applied on both bonding surfaces. Do not over apply since this would slow down the curing.

Join the corresponding surfaces and apply a pressure of approx. 0.5–1.0 MPa within 5 minutes. Clean excess glue after clamping with a damp cloth.

Softwood substrates (e.g. pine) requires a pressing time of approx. 15-20 minutes at 23 °C. Hardwood substrates (e.g. oak or teak) require a longer pressing time. Large bond areas require a longer pressing time as well.

The origin, type and moisture content of the wood as well as ambient conditions like temperature and humidity will affect both the open- and pressing time. When fitting dowels, the glue should be applied into the holes.

CLEANING OF EQUIPMENT

Clean all tools and application equipment immediately after use with a damp cloth. Once cured, residual material can only be removed mechanically or with methanol.

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

The information, and, in particular, the recommendations relating to the application and end-use of Casco products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or on the website www.casco.eu.

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