

Installation recommendation

viny**Classic**



Assembly advantage
Double profile

 **vinylit**
FACADESYSTEMS

CE Declaration of Performance

The properties of the delivered construction product correspond to the declared performances of the CE Declaration of Performance vinyClassic, No. 2023-001
(Download: vinylit.de/downloads)

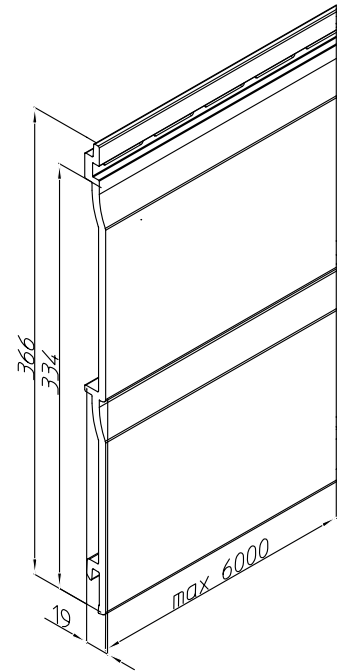


Planning & Execution

For the planning and installation of the vinyClassic facade system the following standards have to be observed DIN 18516 Part 1 – „External wall cladding, rear-ventilated“, the ATV (General Technical Terms of Contract) DIN 18351, the LBO (State Building Regulations) and the Administrative Regulation on Technical Building Regulations (VVTB) of the respective federal states, the professional rules of the German roofing trade, the Building Energy Act (GEG), as well as fire protection and statics must be observed.

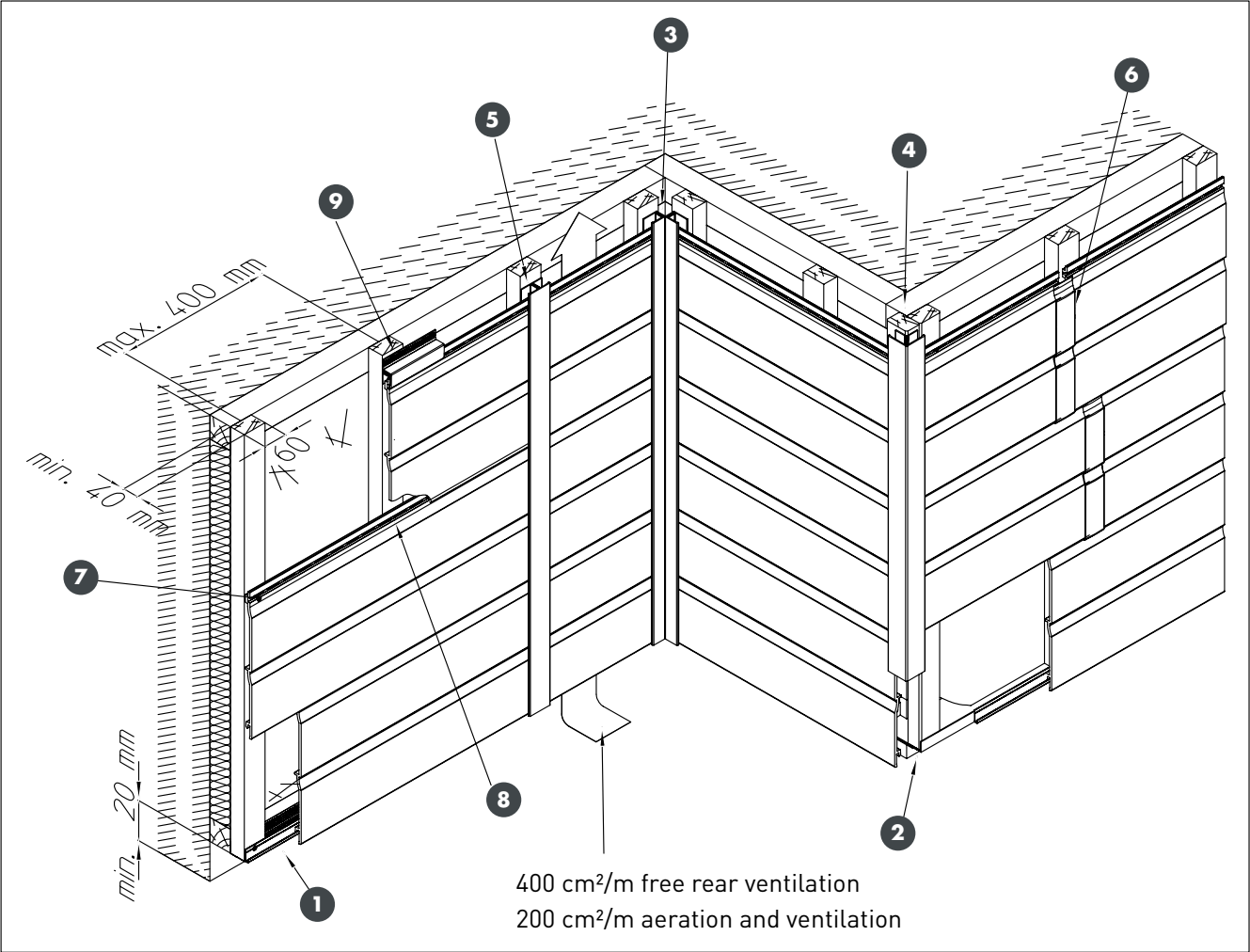
Storage

vinyClassic is packed and stored flat. A maximum of 4 pallets may be stacked on top of each other. Make sure that the vertical beams are on top of each other. Direct exposure to sun and rain during storage must be avoided. The packaging of the individual bundles must be cut open along its entire length.



Attention!

During installation, it is essential to ensure continuous ventilation. In accordance with DIN 18516-1, a free cross-section of at least 200 cm² per 1 m wall length must be maintained. For continuous rear ventilation of the facade, a free cross-section of at least 400 cm²/m is required.



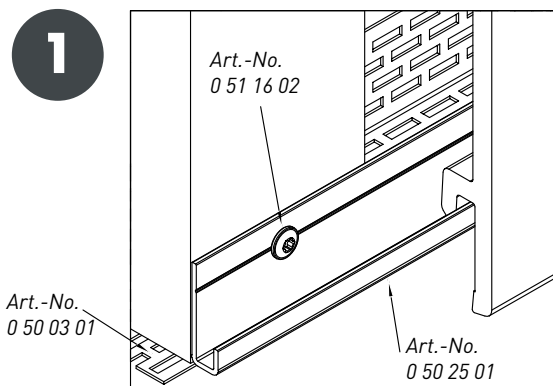
Substructure

For a conventional wooden substructure, use battens treated according to DIN 68800. The base battens are anchored in the masonry with approved facade anchors. The thickness of the insulation material should be equal to the lath thickness of the basic lathing. With multiple battens the insulation material between vertical battens must be secured against sagging with insulation material holders, according to the instructions of the insulation material manufacturer. The vertical support battens (min. 30 mm x 50 mm) are connected to the base batten or counter-batten at a distance of max. 40 cm with stainless screws. The battens must be aligned vertically and horizontally in one plane. Uneven surfaces can be levelled out with assembly wedges (Art. No. 0 50 12 29) (see p. 6).

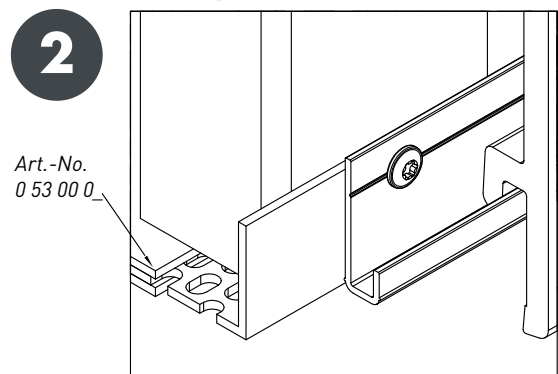
Installation

vinylClassic is preferably laid horizontally, from bottom to top, and joined with a tongue and groove system. On the face side, the joints from one panel to the next are covered by connectors or H-profiles at the profile ends. To accommodate the lowest facade profiles, a starter profile (Art.-No. 0 50 25 01) is mounted horizontally aligned with drilling screws (Art.-No. 0 51 16 02).

Starter profile and vent profile



Base profile Varix 60/90

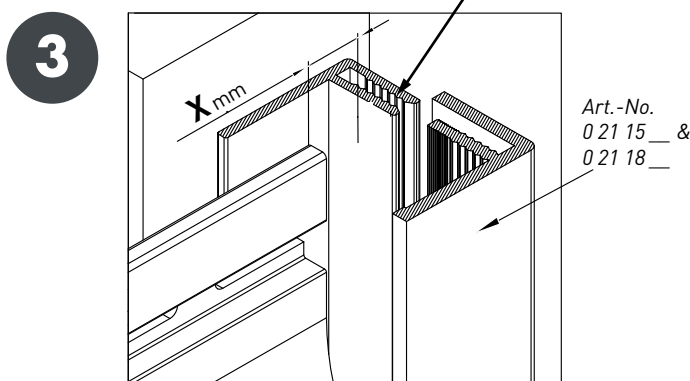


The upper and lower facade finishes must be designed in such a way that rear ventilation of the facade is guaranteed. The ventilation cross-section required in accordance with the technical regulations is at least 50 cm² per 1 m of wall length. To prevent small animals from entering the rear ventilation space, a vent profile (Art. No. 0 50 03 01) is attached to the lower end of the facade. Alternatively, the base profile Varix can be used. This covers the entire substructure. Ventilation profiles must have at least 20 mm distance to the floor!

Attention!

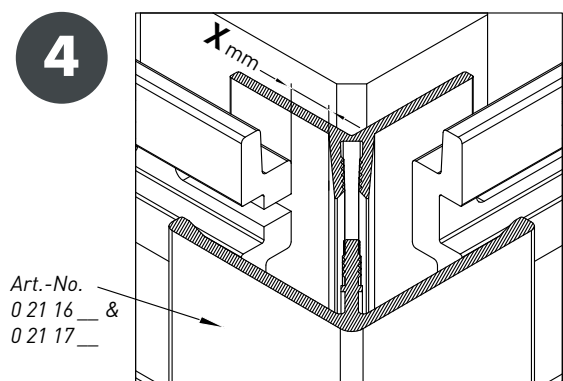
Before mounting the facade profiles, the bottom parts of the 2-part accessory profiles must be fixed to the substructure. The accessory profiles are fixed with countersunk screws (Art. No. 0 51 40 02) at least every 40 cm.

Universal trim 2 part



X see table assembly temperature p. 5

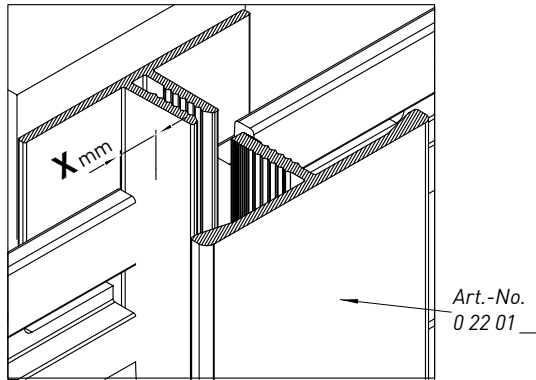
Corner profile 2 part



X see table assembly temperature p. 5

H-Profile 2 part

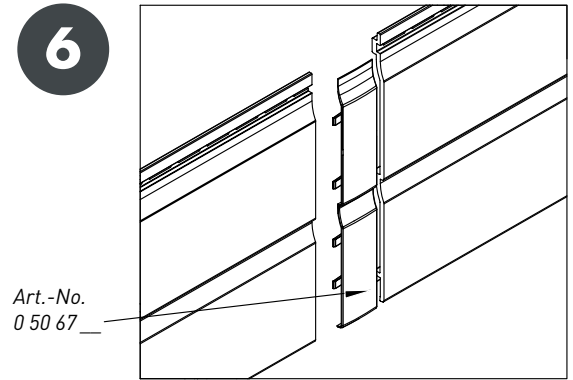
5



X see table assembly temperature p. 5

vinylClassic Joint

6



Attention!

vinylClassic is subject to a change in length of 0.6 mm per metre at temperature fluctuations of 10 °C when unassembled. For a profile length of 6 m, this corresponds to an expansion or contraction of 3.6 mm. It is essential to ensure that there is sufficient space for expansion at the profile ends to other fixed components. This is at least 10 mm. The same applies to the installation of the additional profiles. At temperatures below 5 °C, the installation must be dispensed with.

Assembly temperature

Assembly temperature in °C	Distance to fixed components X in mm
5	10,8
10	9,9
15	9
20	8,1
25	7,2
30	6,3
35	5,4

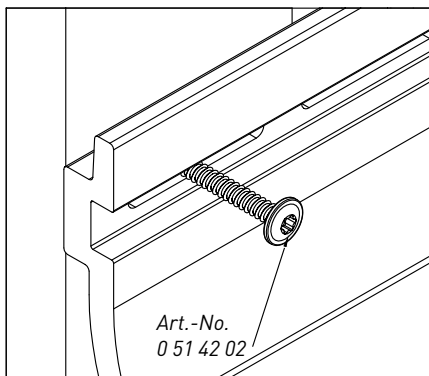
Fixing

The fixing of vinylClassic takes place centrally in the punched oblong holes on the upper profile edge. On the half the length of the profile, each profile must be fixed with 2 screws at the ends of the slotted holes, see point 8. Stainless screws are used (fixing screw with button head 4 x 40 mm, Art. no. 0 51 42 02).

Approx. 9 screws/m² are required.

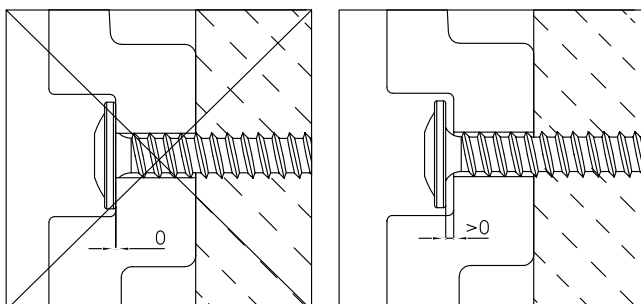
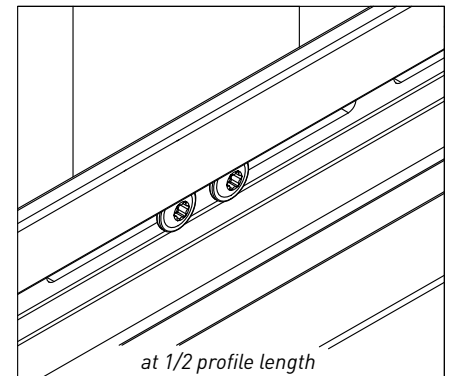
Fixing screw

7



Fixed point

8



The fastening screws must be centred in the elongated holes and must not be tightened to tension.

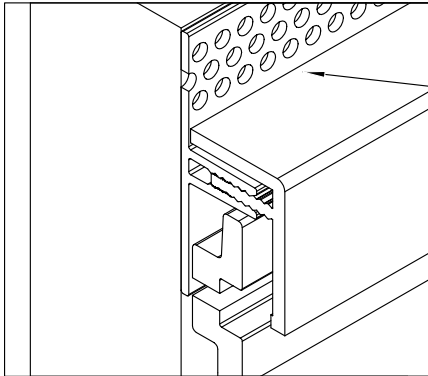
Upper facade finish

To cover the cut edge and for ventilation, a 2-part vent profile (Art. No. 0 21 24 __ & 0 21 25 __) with ventilation openings is mounted at the upper end of the facade .

Alternatively, a 2 part Universal trim can be used to cover the cut edge. For ventilation, there must be a sufficient distance to adjacent building components must be left for ventilation.

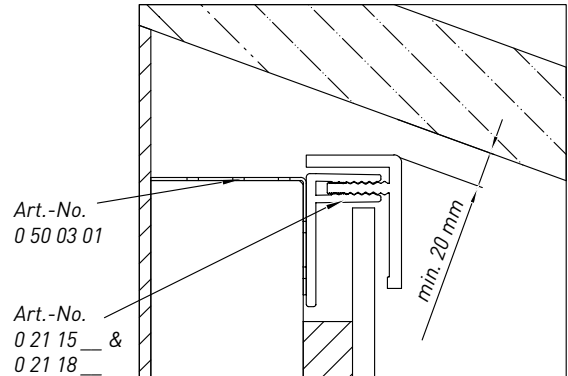
Top vent profile 2 part

9



Art.-No.
0 21 24 __ &
0 21 25 __

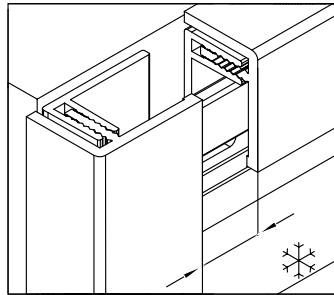
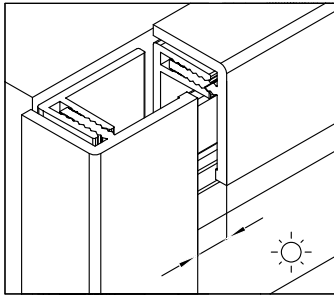
Upper profile end with Universal trim 2 part



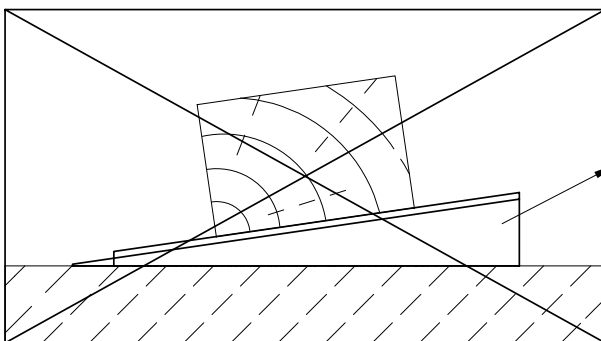
Art.-No.
0 50 03 01

Art.-No.
0 21 15 __ &
0 21 18 __

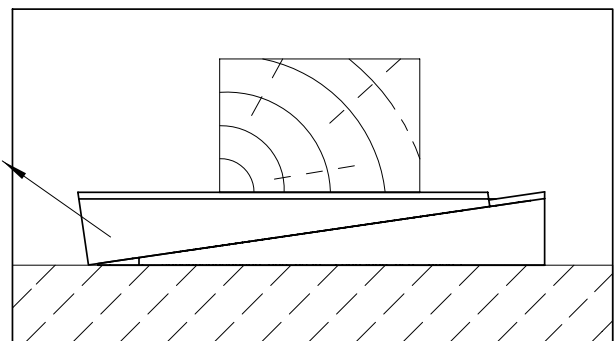
The accessory profiles are also subject to thermal expansion in the event of temperature increases. It is essential to make sure that there is sufficient space for expansion at the profile ends to other fixed components. The upper parts of vertically mounted 2-part accessory profiles must be fixed against slipping in the upper area, e.g. with mounting adhesive or screws.



Assembly wedge



Art.-No.
0 50 12 29

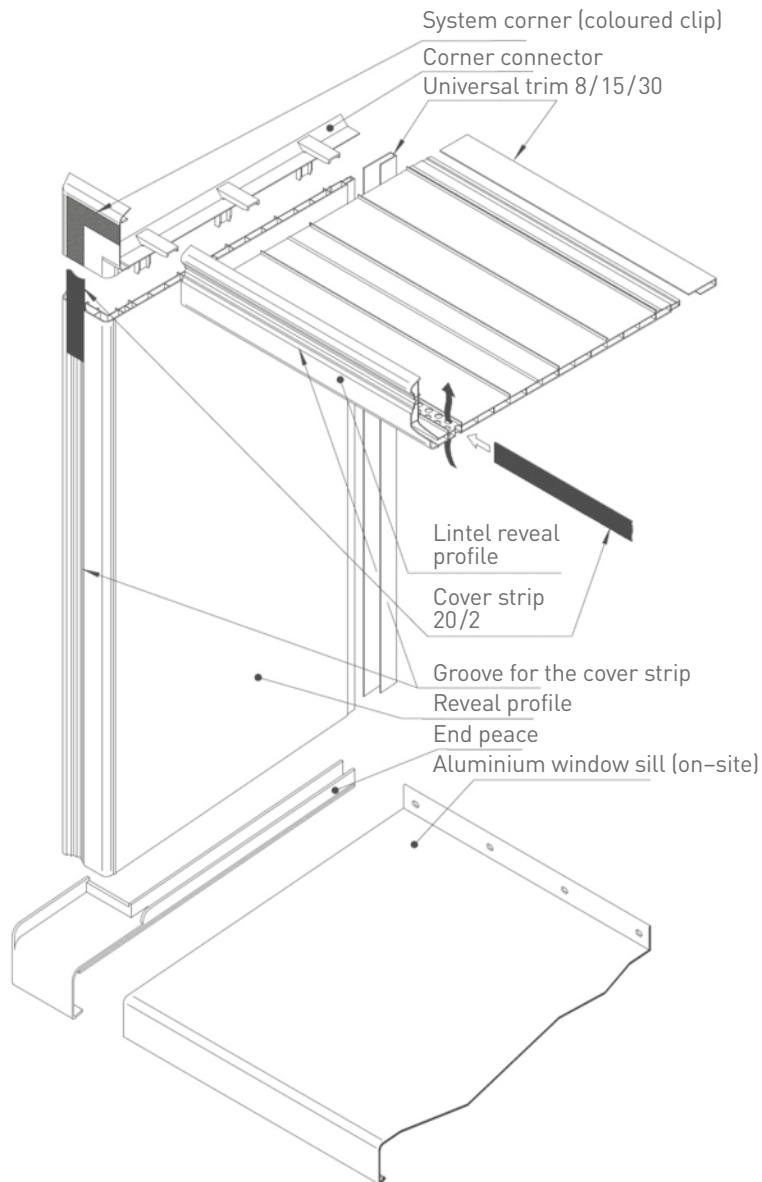


Unevenness of a house wall can be compensated with mounting wedges. Twisting of the battens should be avoided. If facade profiles are installed on twisted or uneven substructures, warping can occur.

Framing of windows & doors

The vinyCom reveal system is used to line the window and door reveals.

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For ventilation of the facade surface below the window sill, a gap of at least 20 mm must be left between the upper edge of the vinyClassic profile and the lower edge of the window sill. To avoid soiling of the facade surface, we recommend a window sill projection of 3 – 4 cm and the installation of window sill end pieces (Art.-No. 0 63 60 __).

General notes

Colour uniformity, production defects & damage

vinylClassic bears the date of manufacture on the back. In order to achieve colour uniformity of the facade surfaces as far as possible, make sure that only panels of the same date of manufacture are used for each facade surface. Defective profiles must be sorted out and will be replaced free of charge if the complaint is justified. The contractor is responsible for defective profiles that have already been installed.

Treatment

vinylClassic and accessory profiles must not be rubbed against each other with the coated visible side. Do not bring hard or sharp objects into contact with the visible side. Do not place scaffolding, ladders etc. against the panels and accessory profiles.

Machining and cutting

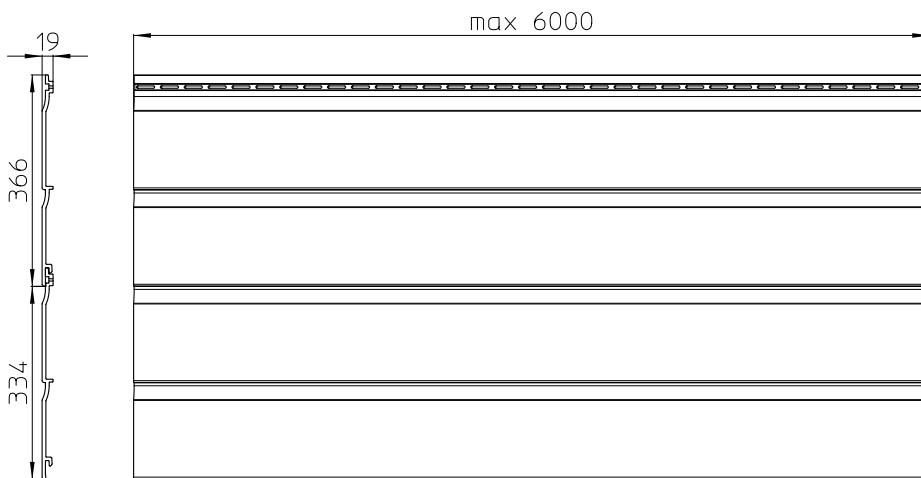
Commercially available tools for working with plastic and wood are suitable for working with vinylClassic.

Care instructions

Clean properly with commercially available cleaners. Do not use scouring agents or solvents. No further care is necessary.

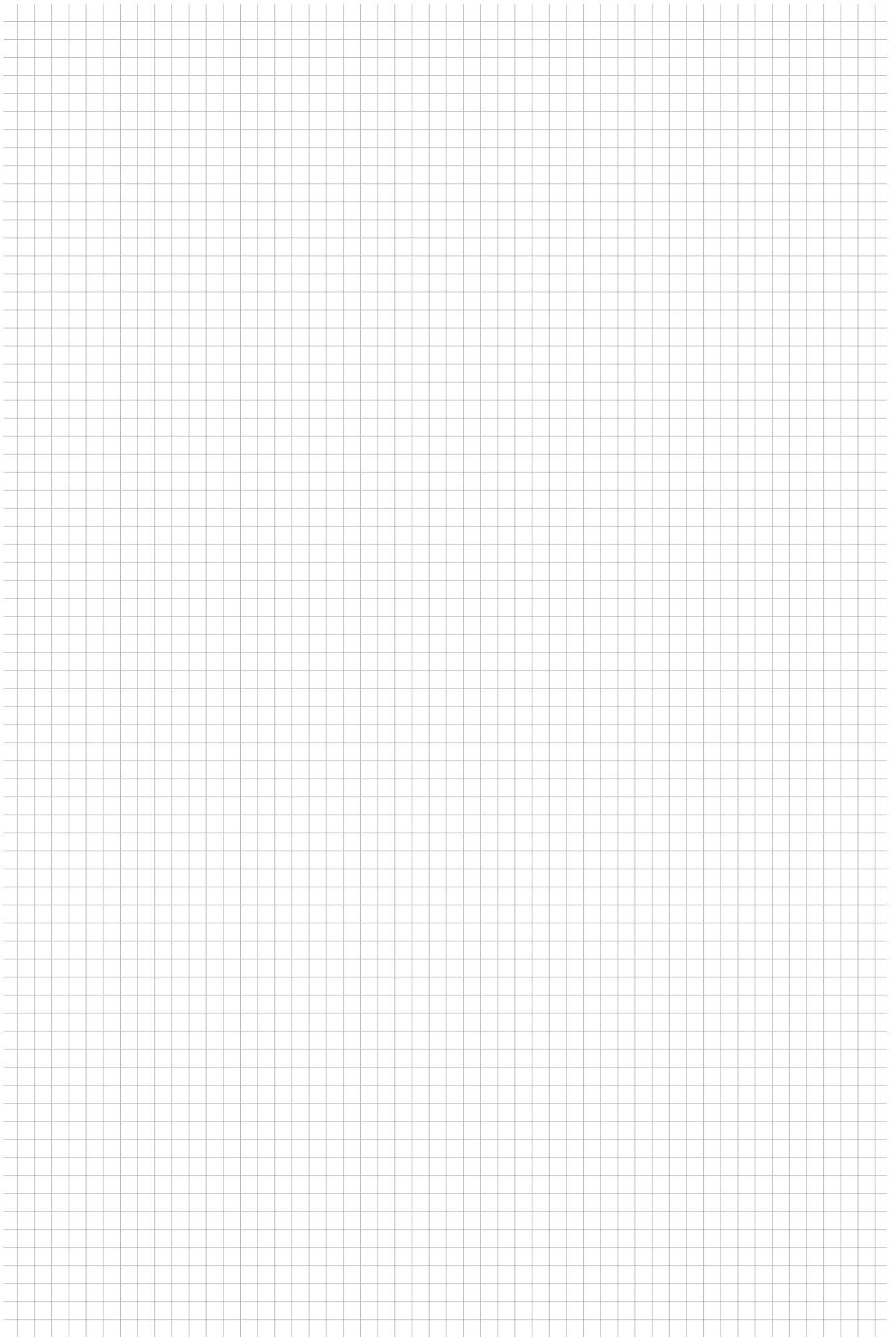
Technical data

Profile width	366 mm	
Cover width	334 mm	
Thickness	19 mm	
Length	6000 + 10 mm	
Weight	ca. 5,3 kg/m ²	
Bulk density profile	0,6 g/cm ³	DIN EN ISO 845
Bulk density outer layer	1,07 g/cm ³	
Coefficient of linear expansion	ca. 0,06 mm/mK	ISO 11359-2
Impact strength code	[23,10]	DIN EN 13245-2



Notes

A large grid of graph paper for taking notes, consisting of 20 columns and 40 rows of small squares.



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