

CW20 WA

Wood-Aluminium Curtain Wall



ekoHaus

FT-VILSTAL GMBH
WINDOWS + FAÇADES IN WOOD/WOOD-ALU



SLIM. **QUALITY**. STABLE.

In recent years, modern architecture has increasingly developed towards the realisation of large-scale glass constructions, which should easily span several storeys. Not only is the CW20 WA wood-aluminium curtain wall system capable of implementing these structurally demanding designs, but it also fulfils the Zeitgeist of energy-efficient building construction.

Despite slim elevation widths of only 50 mm, the system ensures the highest structural stability and, thanks to the use of laminated glulam, creates a warm room ambience on the inside and also more than meets the requirements of economic efficiency and sustainability. Equipped with additional insulating SE pads, the CW20 WA is certified according to passive house as well.

For our façades we exclusively use wood from regional forests that are subject to the FSC and PEFC quality seals, for example spruce, pine, larch or oak.

The CW20 WA is not only a real master when it comes to sustainability. Glass weights of up to 600 kg per field can be diverted with the help of tested heavy-duty glass supports, so we can even expertly install continuous façades with heights of up to 10 metres on construction sites. For particularly complex and technically sophisticated curtain walling, special structural calculations are made for you.

A concealed cascade system of EPDM seals consisting of 2-3 levels systematically drains penetrating water back to the outside.





Design the entrance area of your building exactly as you like and create an architectural highlight without comparison.



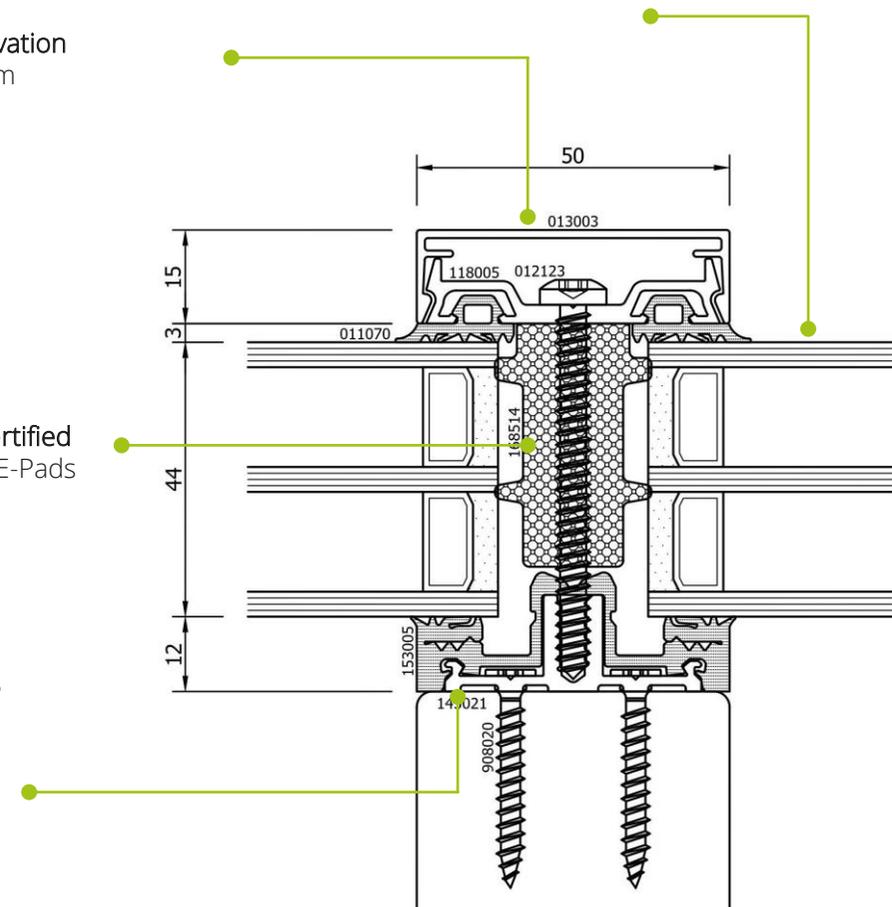


Slim elevation
of 50 mm

Glass weight up to 600 kg
(heavy-duty glass support)

Passive house certified
with additional SE-Pads

Indirect, invisible
drainage via
Cascade system



Air Infiltration DIN 12207
AE (> 600)



Driving Rain Resistance DIN 12208
RE 2.100



Windload DIN 12210
2,5 / 3,75 kN/m²



Thermal Insulation
≥ 0,76 W/m²K



Burglar Resistance
RC2, RC3



Acoustic Control
≤ 46 dB





EASILY COMBINED.

Design your CW20 WA curtain wall as you wish and combine different technical solutions such as integrated doors, windows or up front-mounted sun protection constructions to bring your individual architectural ideas to life. As experts in wood-aluminium façade technologies, we will be happy to support you in implementing your ideas and create your very own project solution.

Large-scale façade constructions made of wood-aluminium systems have long been used in modern office buildings and educational institutions. But our CW20 WA curtain wall had also become very popular in high-end private buildings and villas. In this way, our customers create light-flooded rooms to feel comfortable and to enjoy living in.





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