



At BOAVISTA we work daily to reduce our ecological impact on the planet, heading for a neutral carbon footprint. We compensate the CO² emissions that we cannot eliminate by planting trees in the portuguese forest.



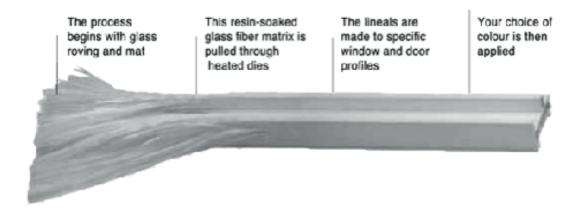


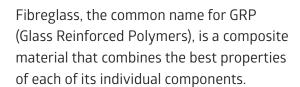


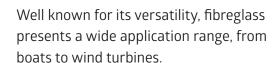
Boavista Windows is the first European window systems brand focused on producing sustainable fibreglass windows with high durability and great design. what is fibreglass?

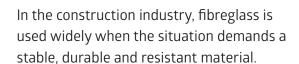


fibreglass | what is it?



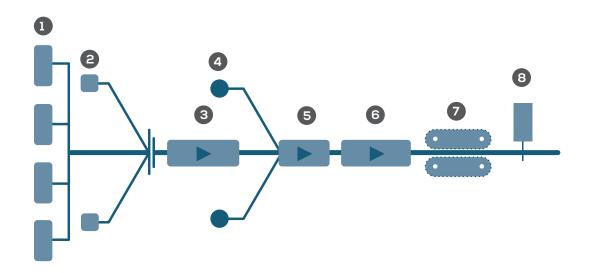








fibreglass | pultrusion



Unidirectional Glass



Continuous strand mat



3 Resin bath



Surfacing Veil



Cut off saw



The profiles used by BOAVISTA for its windows and doors are made using pultrusion.



This technology is a fully automated and continuous process that produces profiles with constant cross section.



It is also highly efficient for it only consumes 0,07 kW to produce a linear meter of profile (approx. 1kg).



fibreglass | examples of use



Structural Profiles





Wind tower blade



Bridge, Kolding Denmark



Decks

Water Treatment Center



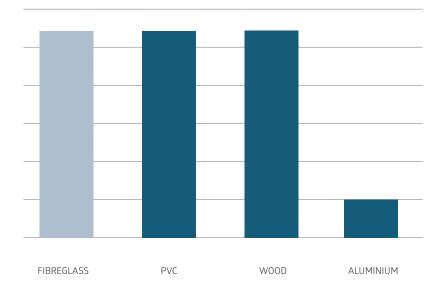
Racing vessels



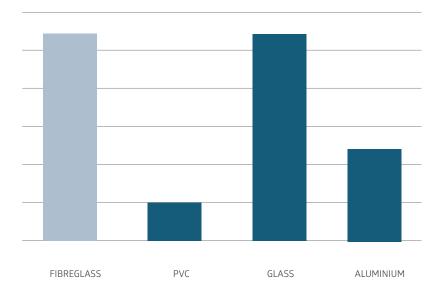


fibreglass | pultruded profiles

Thermal Resistance



Dimensional Stability



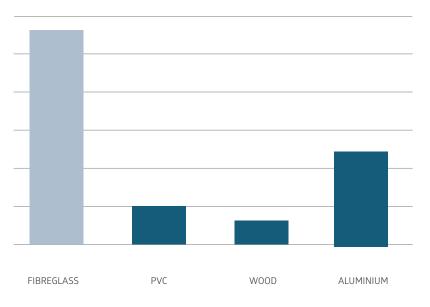
- ✓ low thermal conductivity
- ✓ low electric and acoustic conductivity
- ✓ high dimensional stability very similar to glass
- ✓ not fragile at low temperatures



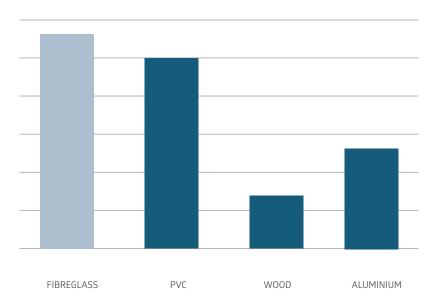


fibreglass | pultruded profiles

Resistance/ Weight Ratio



Resistance to Corrosion/ Rot



- excellent resistance/ weight ratio
- excellent resistance to rot
- excellent resistance to corrosion
- excellent mechanical properties



Boavista Systems

- BWTT 60 Tilt & Turn
- BWSL 45 Sliding
- BWSLD 45 Sliding
- BWD60 Door
- BWDS 35 Double Sash
- BWS 35 Sash

Premium Systems

- BWSL45 Evolution
- BW060 Casement
- Vintage Series



BWTT 60 tilt & turn

BWTT 60 tilt & turn

Boavista Windows tilt & turn 60 mm sash width

- Most versatile window system with multiple configurations and operating modes;
- Compatible with other BOAVISTA series;
- Standard hidden hinge system: perfect aesthetic and optimum functionality



Requirements	Test Method	Test Results	
Thermal Transmittance [Uw]	ISO 12567-1 2010	From 0,74 W/m ² oK	
Acoustic Insulation [Rw]	ISO 10140-1 2010 ISO 10140-2 2010 ISO 10140-4 2010 NP EN ISO 717-1 2009	39dB (-2;-4)	4))
Air Tightness	EN 1026 2000 EN 12207 1999	4	€
Water Tightness	EN 1027 2000 EN 12208 1999	8A	
Wind Load Resistance	EN 12211 200 EN 12210 1999 EN 12210 1999/AC 2002	C5	<u>-</u> ా











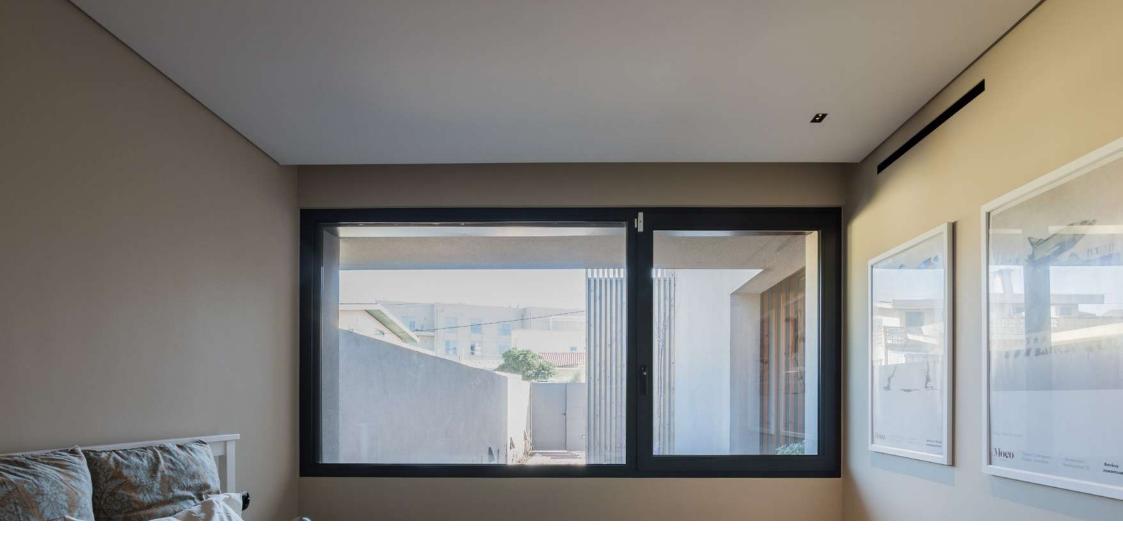
BWTT 60 tilt and turn Window

Project: New build residential building in Lavra Beach, Porto, Portugal

System: BWTT60

Architect: C. M. Figueirinhas Arquitectos





BWTT 60 tilt and turn Window

Project: New build residential building in Lavra Beach, Porto, Portugal

System: BWTT60

Architect: C. M. Figueirinhas Arquitectos





BWTT 60 tilt & turn Window

Project: Red House in Porto

System: BWTT60

Architect: César Machado Moreira







BWTT 60 tilt and turn Window

Project: Refurbishment of existing building in Leça da Palmeira, Porto, Portugal

System: BWTT60

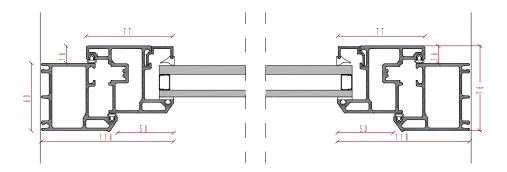
Architect: C. Prata Arquitectos

Technical Drawing BWTT TT or SO



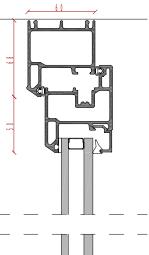
Horizontal Section

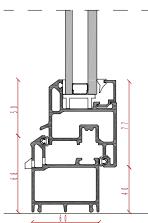




Vertical Section









BWSL45 Sliding

boavista systems

Boavista Windows Sliding 45 mm sash width BWSL 45 Sliding

- Based on a modular system that allows multiple configurations;
- Standard sashes up to 250 kg (ex: 2,2 x 2,85 m);
- Low frame compatible to flush installations;
- Versatile lock upgradable to multi-point locking;

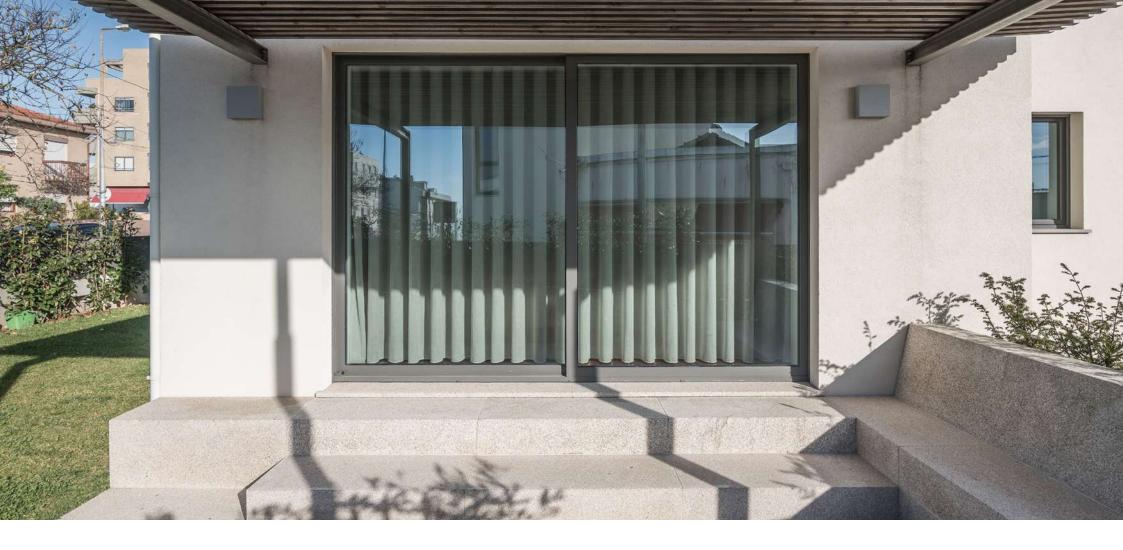


Performance Test

Requirements	Test Results	
Acoustic Insulation [Rw]	35dB (-2; -4)	© (1)
Air Tightness	3	
Water Tightness	5A	
Wind Load Resistance	В3	<u>-</u>







BWSL45 Sliding Window

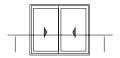
Project: Residential project in Leça da Palmeira, Portugal

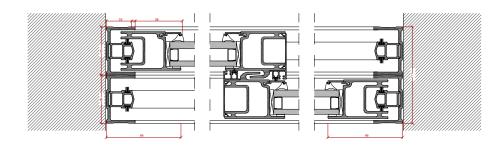
Architects: CPrata Arquitectos **Finish:** RAL 7021 – Textured

Technical Drawing BWSL 45

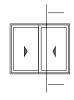


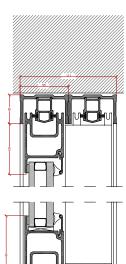
Horizontal Section





Vertical Section





Boavista Windows Sliding Drainage 45 mm sash width BWSLD 45 Sliding

- Based on a modular system that allows multiple configurations;
- Standard sashes up to 250 kg (ex: 2,2 x 2,85 m);
- Low frame compatible to flush installations;
- Versatile lock upgradable to multi-point locking;



Requirements	Test Method	Test Results	
Thermal Transmittance [Uw]	ISO 12567-1 2010	From 1,09 W/m ² oK	
Acoustic Insulation [Rw]	ISO 10140-1 2010 ISO 10140-2 2010 ISO 10140-4 2010 NP EN ISO 717-1 2009	26dB (-1; -2)	© ())
Air Tightness	EN 1026 2000; EN 12207 1999	3	
Water Tightness	EN 1027 2000 EN 12208 1999	7A	<i>\(\big \)</i>
Wind Load Resistance	EN 12211 200 EN 12210 1999 EN 12210 1999/AC 2002	C4	<u>-</u> ್ರಾ







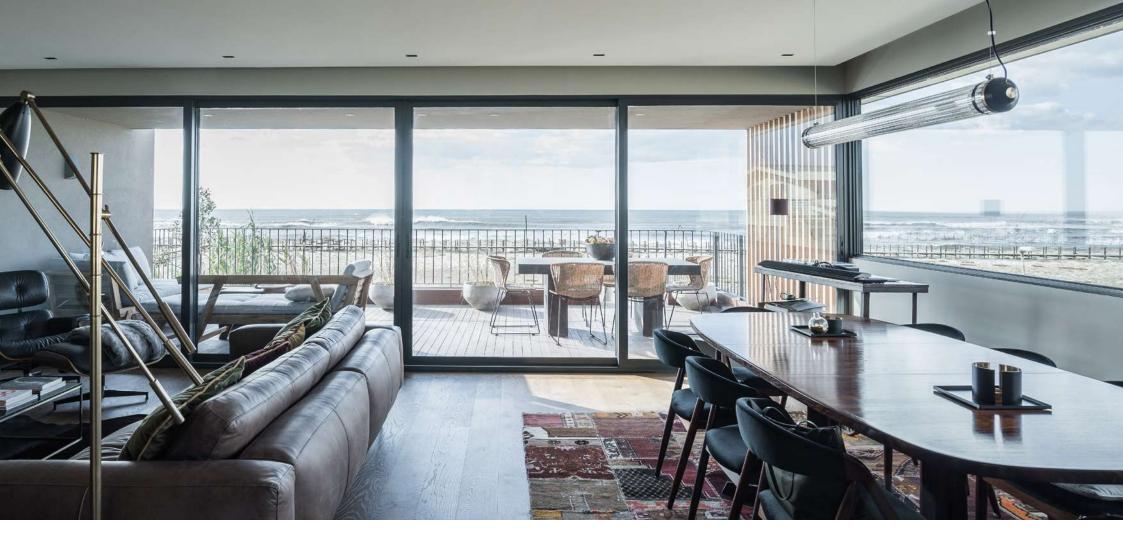


BWSLD45 Sliding

Project: New build – residential project in Matosinhos Beach, Porto, Portugal

System: 2 rail BWSLD45 11 meters wide





BWSLD45 Sliding Door

Project: Residential Project in Lavra Beach, Portugal

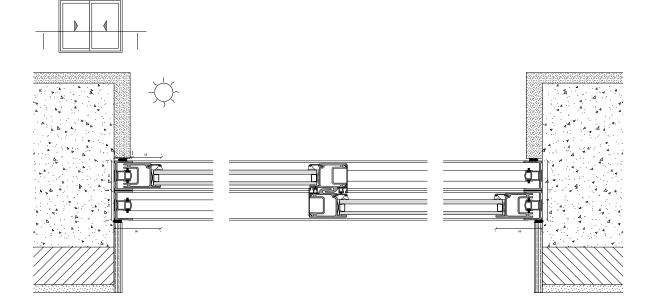
System: Sliding Finish

Finish: RAL 7021 - Textured

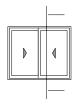
Technical Drawing BWSLD45

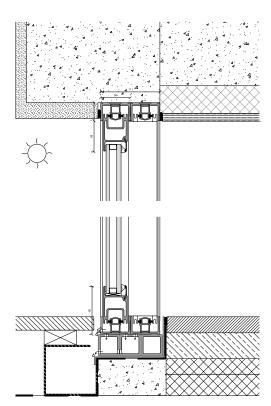


Horizontal Section



Vertical Section







BWD60 Door

boavista systems



- Allows secure locking system, with multiple locking points;
- Can be used with glass or with opaque fibreglass panel;
- Customizable handles and colours



Requirements	Test Method	Test Results	
Air Tightness	EN 1026:2016 EN 12207:2016	3	
Water Tightness	EN 1027:2016 EN 12208:1999	4A	
Wind Load Resistance	EN 12211:2016 EN 12210:2016	C5	<u>-</u>







BWD60 Door

Project: New build – residential project in Matosinhos Beach, Porto, Portugal

System: BWD60



BWD60 Door

Project: Residential Building in Lisbon Portugal

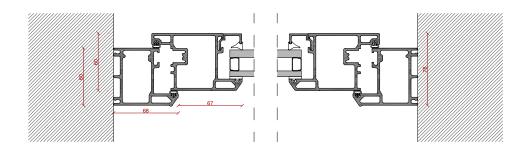
System: BWD60

Finish: 9004 matt black

Technical Drawing

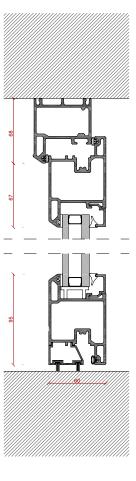
Horizontal Section





Vertical Section







BWDS 35 Double Sash Window

boavista systems

Boavista Windows Double Sash

35 mm sash width

BWDS 35 Double Sash Window

- Both panels slide;
- The bottom panel can be used as a balustrade;
- Great minimal looks



Requirements	Test Method	Test Results	
Thermal Transmittance [Uw]	ISO 10077-1:2006 ISO 10077-2:2006	From 1,23 W/m ² oK	
Acoustic Insulation [Rw]	NP EN 14351-1:2006 + 1:2011	29dB (-1; -2)	(())
Air Tightness	EN 1026 2000; EN 12207 1999	3	
Water Tightness	EN 1027 2000 EN 12208 1999	8A	
Wind Load Resistance	EN 12211 200 EN 12210 1999 EN 12210 1999/AC 2002	C2	<u>-</u> ಕ್ರಾ









BWDS 35 Double Sash Window

Project: Commercial project in Oxfordshire, England

System: BWDS35 – Double Sash Dimensions: 1000mm x 2000mm;

Finish: RAL 7021 – Textured grey





BWDS 35 Double Sash Window

Project: Commercial project in Oxfordshire, England

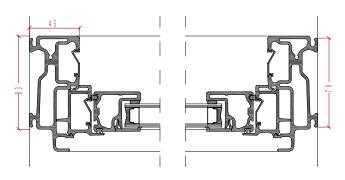
System: BWDS35 – Double Sash Dimensions: 1000mm x 2000mm;

Finish: RAL 7021 – Textured grey

Technical Drawing

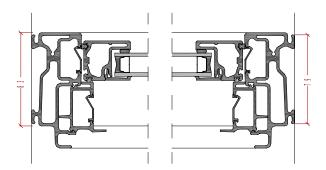
Horizontal Section





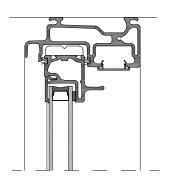
Horizontal Section

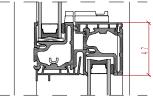


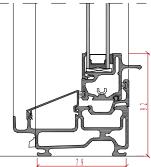


Vertical Section











BWS 35 Sash

boavista systems

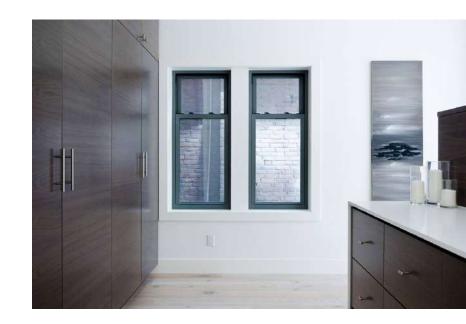
Boavista Windows Sash 35 mm sash width

- Window with excellent ITT results, among the best of its class;
- Fixed upper sash and operable lower sash;
- Twin spring system makes it easy to use;
- Operable sash can be tilted for exterior cleaning



Requirements	Test Method	Test Results	
Thermal Transmittance [Uw]	ISO 10077-1 2006 ISO 10077-2 2012	From 1,23 W/m ² oK	
Acoustic Insulation [Rw]	ISO 10140-1 2010 ISO 10140-2 2010 ISO 10140-4 2010 NP EN ISO 717-1 2009	29dB (-1; -2)	©))
Air Tightness	EN 1026 2000 EN 12207 1999	4	
Water Tightness	EN 1027 2000 EN 12208 1999	7A	<i>—</i>
Wind Load Resistance	EN 12211 200 EN 12210 1999 EN 12210 1999/AC 2002	A4	<u>-=</u> 0









BWS 35 Sash Window

Project: Residential project in Ontario, Canada

System: BWS35

Finish: RAL 9016 – Matt black





BWS 35 Sash Window

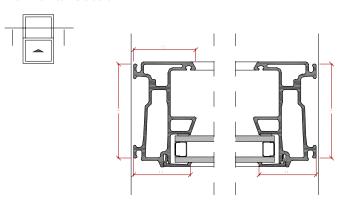
Project: Residential refurbsihment in a former convent, England

System: BWS35

Finish: RAL 9003 matt white

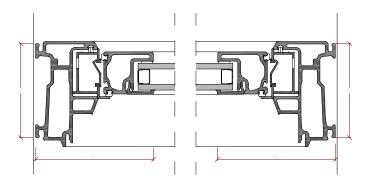
Technical Drawing Sash 1

Horizontal Section



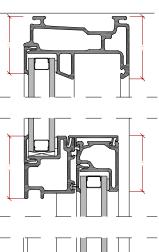
Horizontal Section

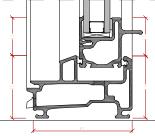




Vertical Section









Fibreglass Windows PREMIUM SYSTEMS

think ahead, think BOAVISTA!

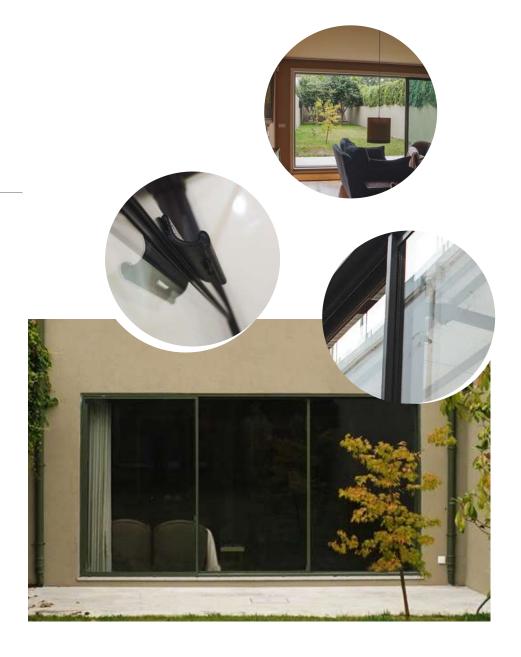


BWSL Evolution

- Based on a modular system that allows multiple configurations;
- Standard sashes up to 7,5 m²;
- Low frame compatible to flush installations;
- Sleek elegant design

Performance Test

Requirements	Test Results	
Acoustic Insulation [Rw]	35 dB (-2;-4)	())
Air Tightness	3	
Water tightness	5A	<i>\(\rightarrow\)</i>
Wind Load Resistance	В3	<u>-</u>





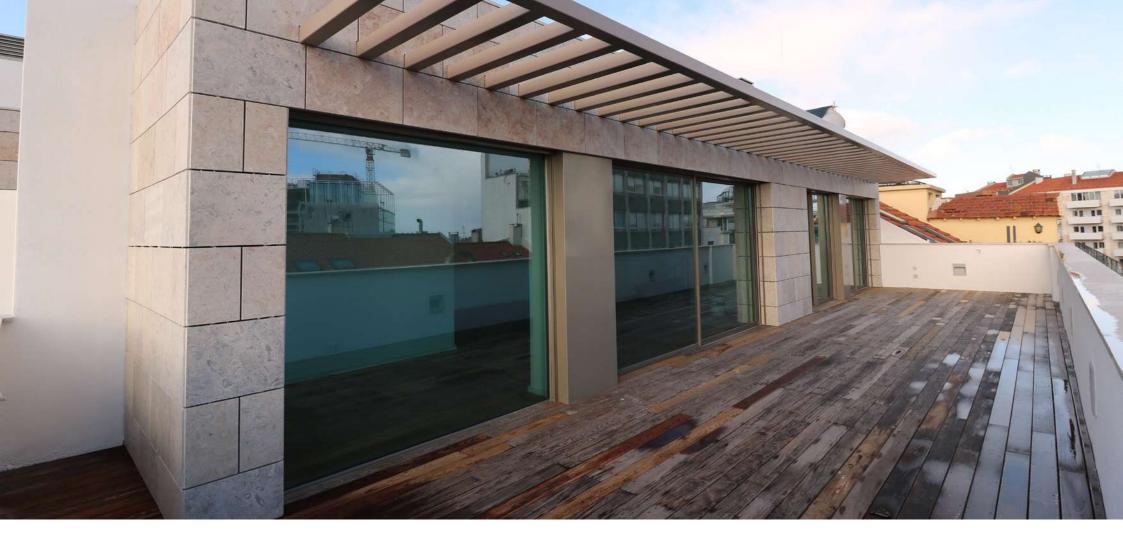


BWSL Evolution

Project: Residential building in Southampton, England

System: BWSL45 Evolution **Finish:** RAL 7016 – textured





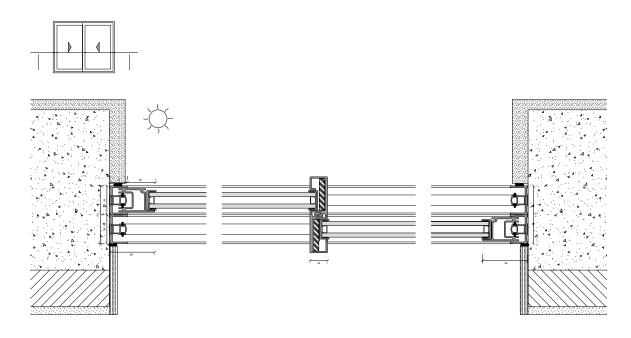
BWSL Evolution

Project: Residential apartment building in Lisbon, Portugal

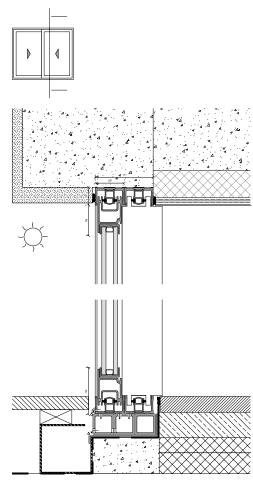
System: BWSL Evolution **Architect:** GJB Arquitectos

Technical Drawing

Horizontal Section

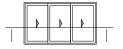


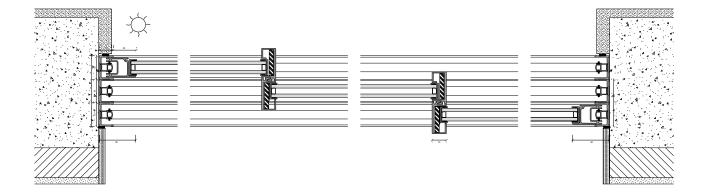
Vertical Section



Technical Drawing

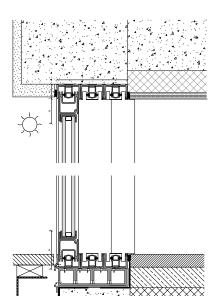
Horizontal Section





Vertical Section







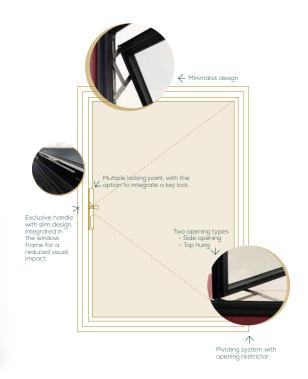
BWO 60 Outward Opening

boavista systems

BWO 60 Outward Opening Window

- With slim frame, for a minimal look;
- Outward side hung opening or top hung projecting window





Performance Test

Requirements	Test Results	
Thermal Transmittance [Uw]	From 1,19 W/m2 oK	
Acoustic Insulation [Rw]	37 dB (-1;-4)	())
Air Tightness	4	₽
Water Tightness	6A	
Wind Load Resistance	C4	″ - <u>-</u> -≗o







BWO 60 Outward Opening Window

Project: Grade I listed building in Sussex Square, Brighton

System: BW060 Finish: RAL 7024









BWO 60 Outward Opening Window

Project: Residential Project, Ontario, Canada

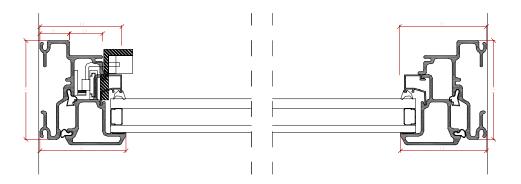
System: BW060

Finish: RAL 9016 – Matt black

Technical Drawing

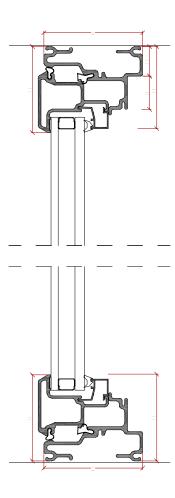
Horizontal Section





Vertical Section





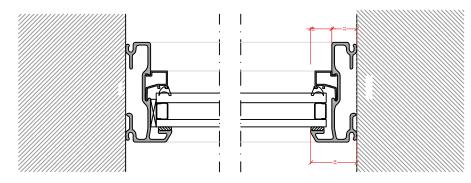
Technical Drawing

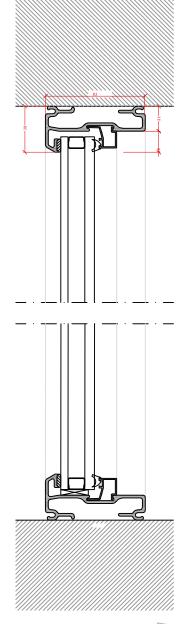
Horizontal Section













Vintage Series

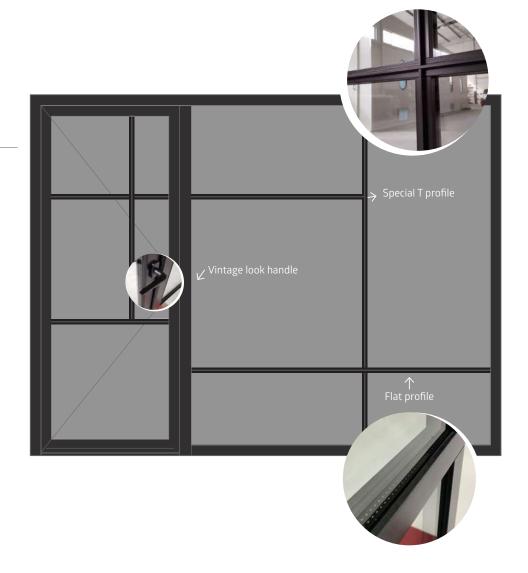
boavista systems

Vintage Series

- Vintage look with modern performance;
- Fibreglass reinforced profiles provide;
- Great durability even in harsh conditions

Performance Test

Requirements	Test Results	
Thermal Transmittance [Uw]	From 0,74 W/m2 oK	
Acoustic Insulation [Rw]	39dB (-2; -4)	())
Air Tightness	4	
Water Tightness	8A	
Wind Load Resistance	C5	<u>-</u> ಕ್ರಾ







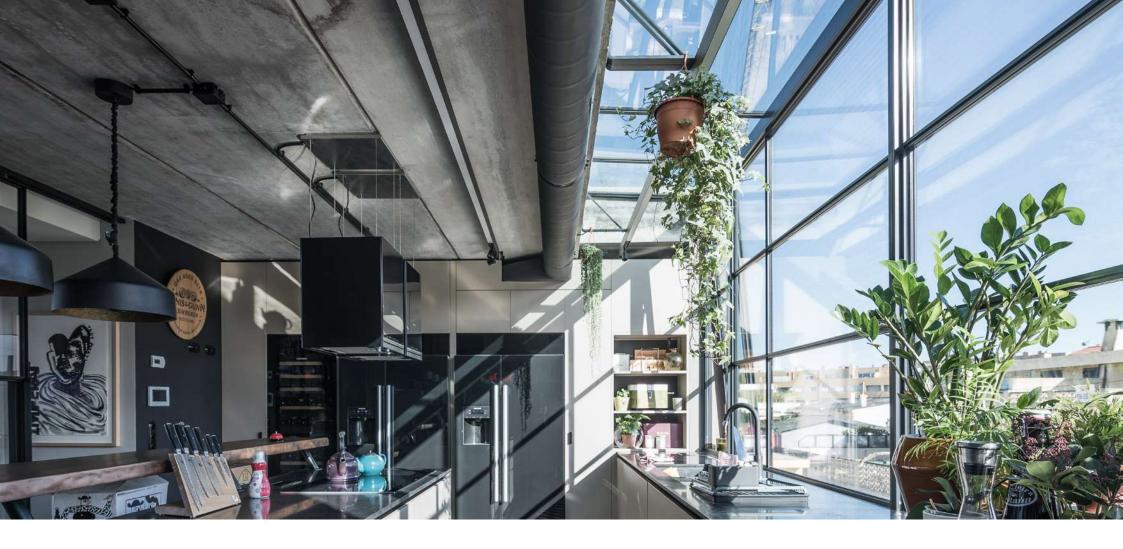
Vintage Series

Project: Fintech Service Center in Matosinhos, Portugal

System: Vintage Series

Finish: RAL 7016 - textured





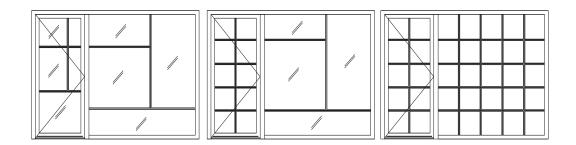
Vintage Series

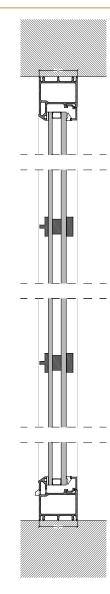
Project: New build residential building in Lavra Beach, Porto, Portugal

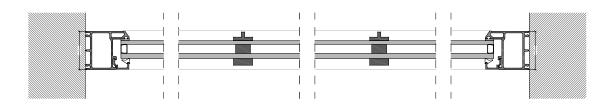
System: BW Vintage Series

Architect: C. M. Figueirinhas Arquitectos

Technical Drawing









Energy Rating for windows

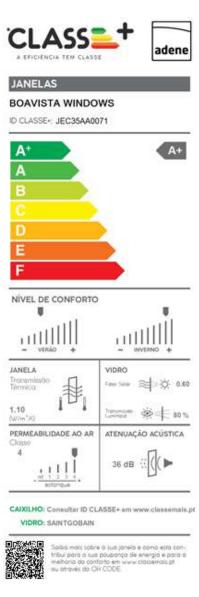
Energy Rating for windows

How does it work?

The Window Energy Rating system follows a similar pattern to appliance energy labels, with windows being rated between A or A+ (the best) and G (the worst).

It can be used by consumers and specifiers to compare in a simple and quick way the energy efficiency of a fenestration.

Windows can account for over 25% of a heating bill and a difference in energy saving between an A or B-rated window could be an additional 6.5% on your energy bills.





Technical Support

Our technical team is available to study your projects BOAVISTA provides assistance in:

- Detailed design
- Bills of quantities
- Window schedules
 - Specifications.



Join the Design Revolution

www.boavistawindows.com



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