bluEvolution: 82



The innovative profile for
the windows of tomorrow

Brügmann bluEvolution: 82

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Systems of the future from the house of Salamander: The Brügmann bluEvolution profile series with a construction depth of 82 mm. It combines superior energy conservation with innovative sealing technology at the highest level and is ideally suited as a component for passive houses. Heat losses are reduced by the use of these specially optimised sash and casement designs with a thermally improved edge seal in conjunction with an insulating triple glazing. And that saves you money!

Profile system

Technical data	
Construction depth	82 mm
Visual width	from 123 up to 178 mm for combination of frame and sash
Sealing concept	two continuous all-round gasket levels in the system with stopper gasket (AD), additional third gasket level in the system with central gasket (MD), gaskets fitted in the factory
Chamber design	6 chambers in frame and sash, or according to static requirements
Application areas	Side an bottom hung windows, tilt- and turn windows, secondary entrance doors, folding or tilt- and slide doors, entrance doors
Heat transition coefficient	MD up to U_f = 0,92 W/(m²K); U_w = 0,71 W/(m²K)* AD up to U_f = 1,0 W/(m²K); U_w = 0,74 W/(m²K)* *reference size according to DIN EN 14351-1: 1,23 m x 1,48 m
Glazing Filling thickness	All standard insulating glass panes for thermal and sound insulation and burglary resistance up to 52 mm
Material 	Pure quality PVC Advantage of PVC: For the sake of the environment recycled PVC can be introduced into the profiles as secondary raw material, which guarantees a closed recycling circle while maintaining the same high quality
Colour	White solid-coloured, homogeneous in mass with long-life surface protection Basic body colour alternative in anthracite, off-white, brown, caramel Over 40 standard decors Special decor films on request Aluminium cover profiles in more than 500 colours available

Maximum element sizes:	in white	in decor
with standard sash	max. width 1500 mm max. height 2400 mm	max. width 1500 mm max. height 2300 mm
with french window sash	max. width 1600 mm max. height 2500 mm	max. width 1600 mm max. height 2400 mm
as entrance door	max. width 1200 mm max. height 2400 mm	max. width 1200 mm max. height 2400mm

Properties

Heat transition coefficient
DIN EN 12412-2 / 10077-2
MD: up to U_f = 0,92 W/(m²K)
AD: up to U_f = 1,0 W/(m²K)

Air permeability
DIN EN 12207
up to class: 4

Resistance to pelting rain
DIN EN 12208
up to class: 9A

Wind resistance under wind load
DIN EN 12210
class: C3/B4

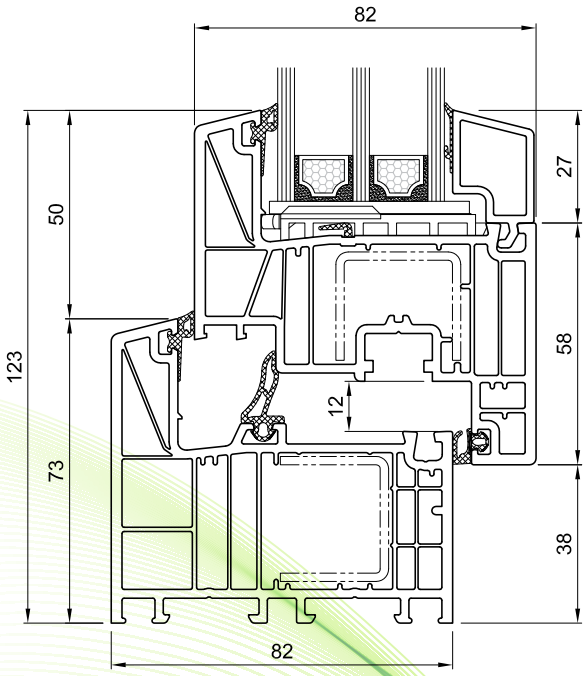
Operating forces
DIN EN 13115 / 12247
class: 1

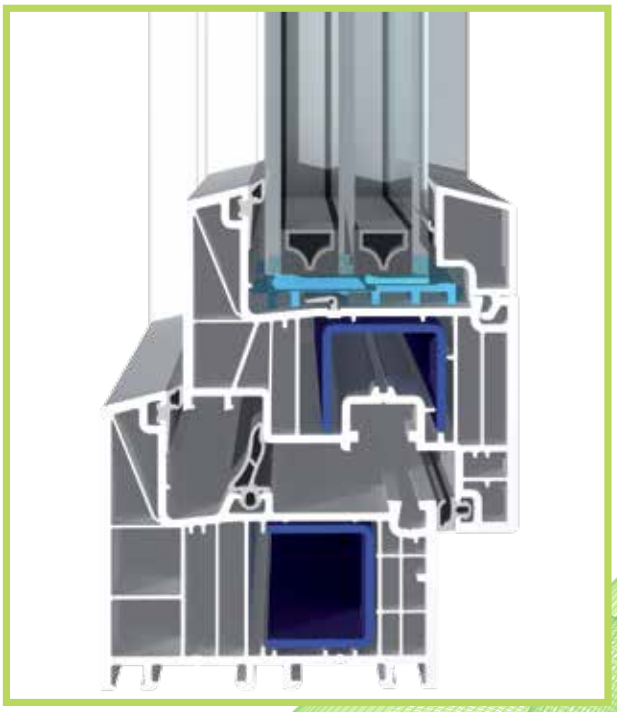
Mechanical load
DIN EN 13115
class: 4

Burglary protection
DIN EN 1627 - 1630
RC 2

Sound insulation
DIN EN 4109
up to class: 5

System construction



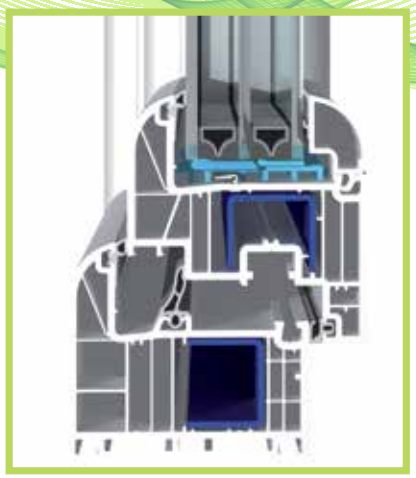


MD recessed

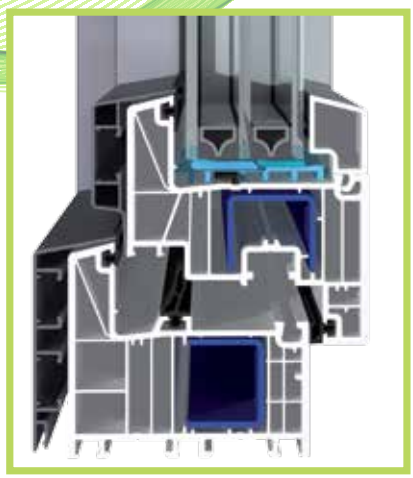
AD recessed

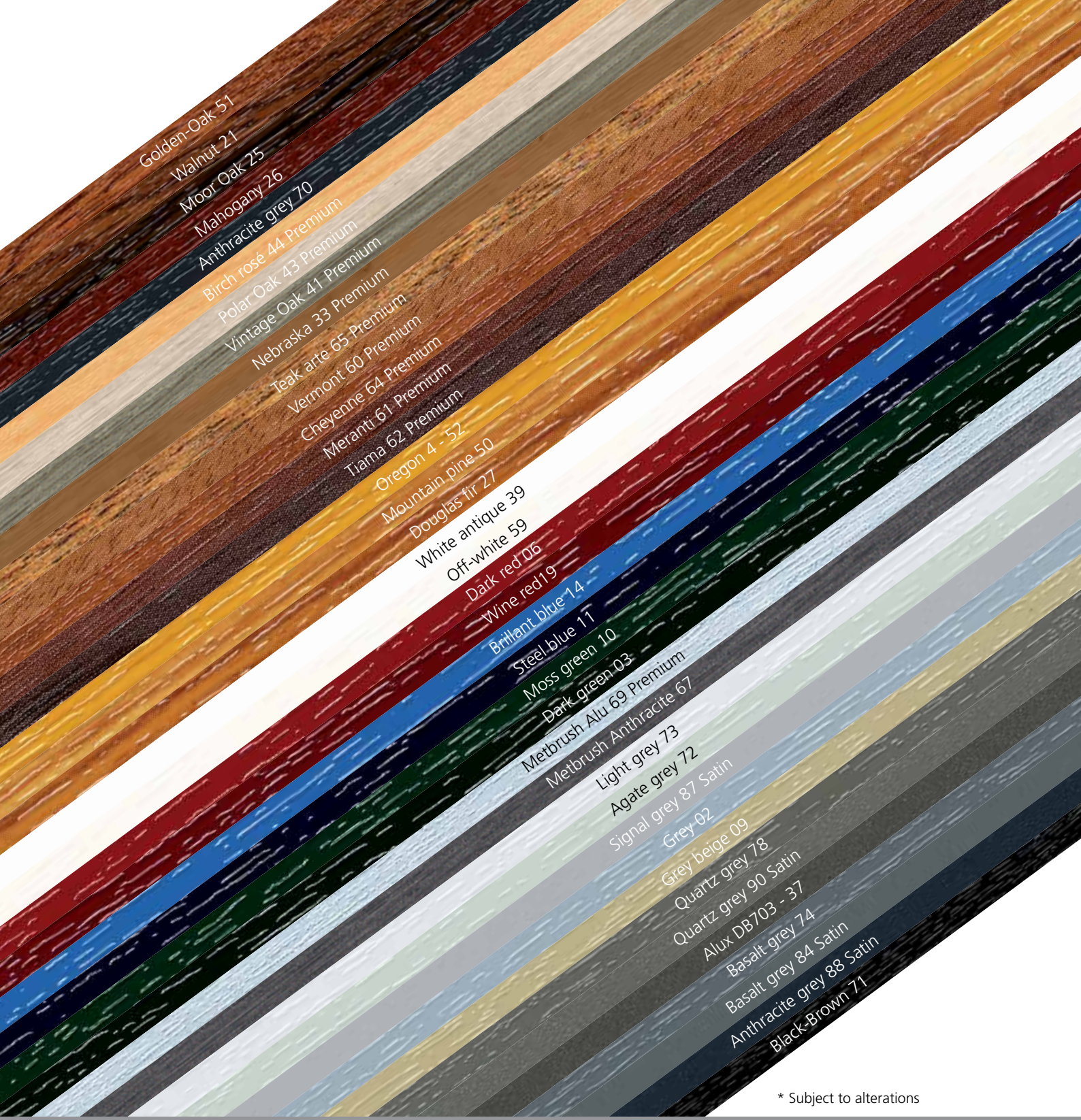


round sash compatible in AD & MD
round frame only in MD



with aluminium cover profile
AD & MD





* Subject to alterations

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