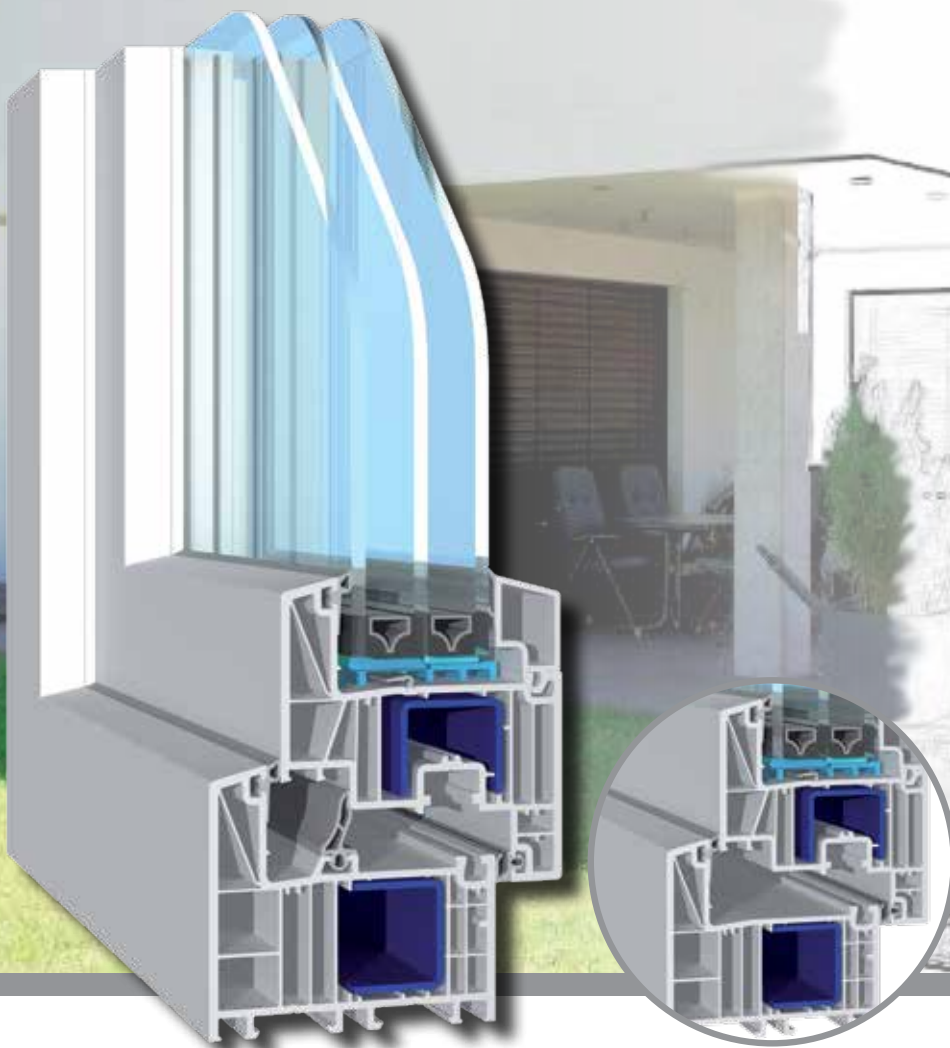


# bluEvolution: 82



*The innovative profile for  
the windows of tomorrow*


 Brümann bluEvolution: 82

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# Brügmann bluEvolution: 82

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 $U_f = 0,92 \text{ W}/(\text{m}^2\text{K})$ ; $U_w = 0,71 \text{ W}/(\text{m}^2\text{K})^*$ AD up to $U_f = 1,0 \text{ W}/(\text{m}^2\text{K})$ ; $U_w = 0,74 \text{ W}/(\text{m}^2\text{K})^*$ *reference size according to DIN EN 14351-1: 1,23 m x 1,48 m
Glazing	All standard insulating glass panes for thermal and sound insulation and burglary resistance
Filling thickness	up to 52 mm
Material	Pure quality PVC
	<p>Advantage of PVC:</p> <p>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</p>
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  $U_T = 0,92 \text{ W/(m}^2\text{K)}$   
AD: up to  $U_T = 1,0 \text{ W/(m}^2\text{K)}$



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



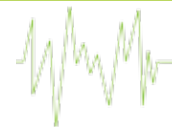
Operating forces  
DIN EN 13115 / 12247  
class: 1



Mechanical load  
DIN EN 13115  
class: 4

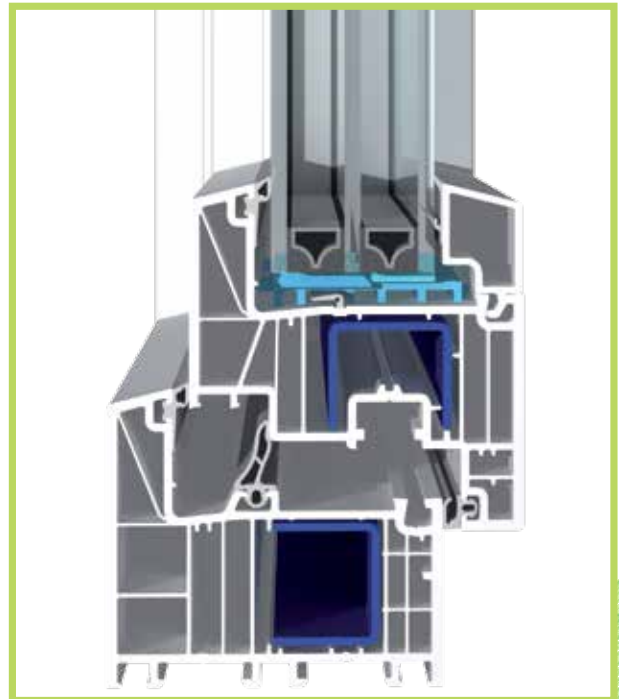
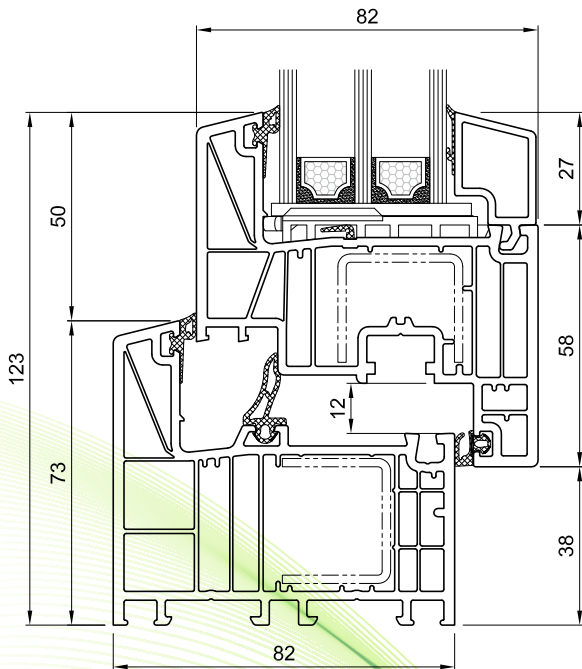


Burglary protection  
DIN EN 1627 - 1630  
RC 2



Sound insulation  
DIN EN 4109  
up to class: 5

## System construction

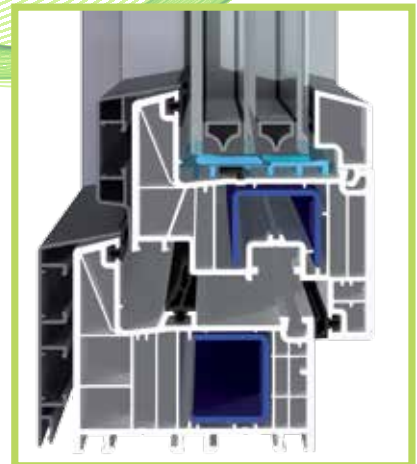
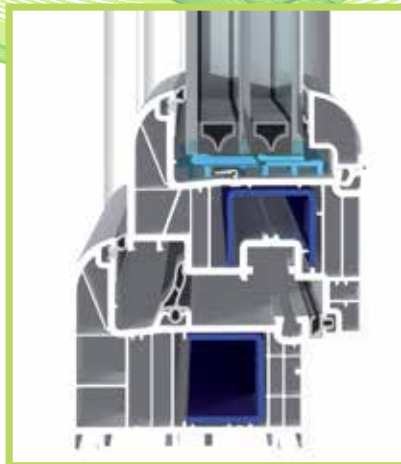
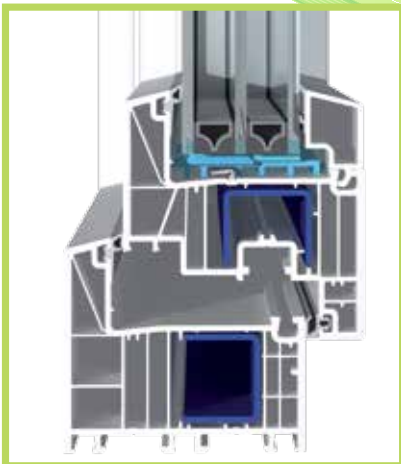


MD recessed

AD recessed

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

with aluminium cover profile  
AD & MD



Golden-Oak 51  
Walnut 21

Moor Oak 25  
Mahogany 26

Anthracite grey 70  
Birch rosé 44 Premium

Polar Oak 43 Premium  
Vintage Oak 41 Premium

Nebraska 33 Premium  
Teak arte 65 Premium

Vermont 64 Premium  
Cheyenne 61 Premium

Meranti 61 Premium  
Tiama 62 Premium

Oregon 4 - 52  
Mountain pine 50

Douglas fir 27  
White antique 39

Off-white 59  
Dark red 06

Wine red 19  
Brilliant blue 14

Steel blue 11  
Moss green 10

Dark green 03  
Metbrush Alu 69 Premium

Metbrush Anthracite 67  
Light grey 73

Agate grey 72  
Signal grey 87 Satin

Grey 02  
Grey beige 09

Quartz grey 78  
Quartz grey 90 Satin

Alux DB703 - 37  
Basalt grey 74

Basalt grey 84 Satin  
Anthracite grey 88 Satin

Black-Brown 71

\* Subject to alterations

# SALAMANDER®

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