
EURO-DESIGN 70 / BRILLANT-DESIGN

TECHNICAL INFORMATION
SYSTEM DESCRIPTION

2. REHAU-Euro-Design 70 / Brillant-Design

2.1 System Description

1. Profile design and technical specifications

Gasket system	Closing seal
Construction depth	70 mm
Number of chambers	5
Gasket overlap	7 - 8 mm
Seal gap	3 mm
Fitting axis	13 mm
Maximum glazing thickness	44 mm

2. Product range

Frame 64, 68, 76, 48 with exterior fin	
Mullion 78	
Sash Z 60, Sash 60 round, Z 74, Z 74 round, T 94	
Residential Door Sash Z, Residential Door Sash T	

3. Openings

- Side-hung windows and doors,
- Tilt and turn windows and doors,
- Tilt and awning type window,
- Multi sash window and patio doors with mullion and transom,
- Double-sash window without fixed mullion,
- Fixed light,
- Polygon and round windows,
- Tilt and slide door.
- Sash with small mullion
- Single-sash residential doors inward and outward opening with or without fixed lights beside

4. Material

4.1 REHAU window and door profiles

RAU-PVC is weather resistant PVC in compliance with ISO 1163 - PVC-U, EDLP (082-25-28) at the case may be "RAL-Gütebestimmungen" (RAL-GZ 716/1, Section I, Teil 1), free of cadmium.

The PVC formulation PVC 1476 is increased UV-stabilized.

4.2 REHAU-gaskets

Non weldable gaskets:
RAU-SR (EPDM, black)
All gaskets are in compliance with RAL-GZ 716/1,

5. Quality Assurance



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5. System arguments window:

1

The same closing seal in frame and sash:

→ simple production planning, reduced stocks and faster fabrication.

2

The reinforcement is identical to the other REHAU-profile systems:

→ reduced stocks, a mix up of reinforcements is avoided.

Reinforcement chamber with 35 mm depth:

→ In spite of the good thermal insulation, a reinforcement with a greater depth and thus greatest static properties can be used.

3

Stub in the sash profile reinforcement chamber:

→ Stub locates the single legged reinforcement, eliminates the need to drill through steel to install the hardware (espagnolette drilling).

→ faster manufacturing, longer tool life.

4

Load carrying hardware is fixed into three PVC walls or additionally into the steel reinforcement:

→ secure transfer of sash loads.

13 mm fitting axis:

→ reinforced hardware parts can be used.

5

Identical rebate contours in sash, frame and mullion:

→ identical end milling, makes changing the cutter tool or a second machine unnecessary.

6

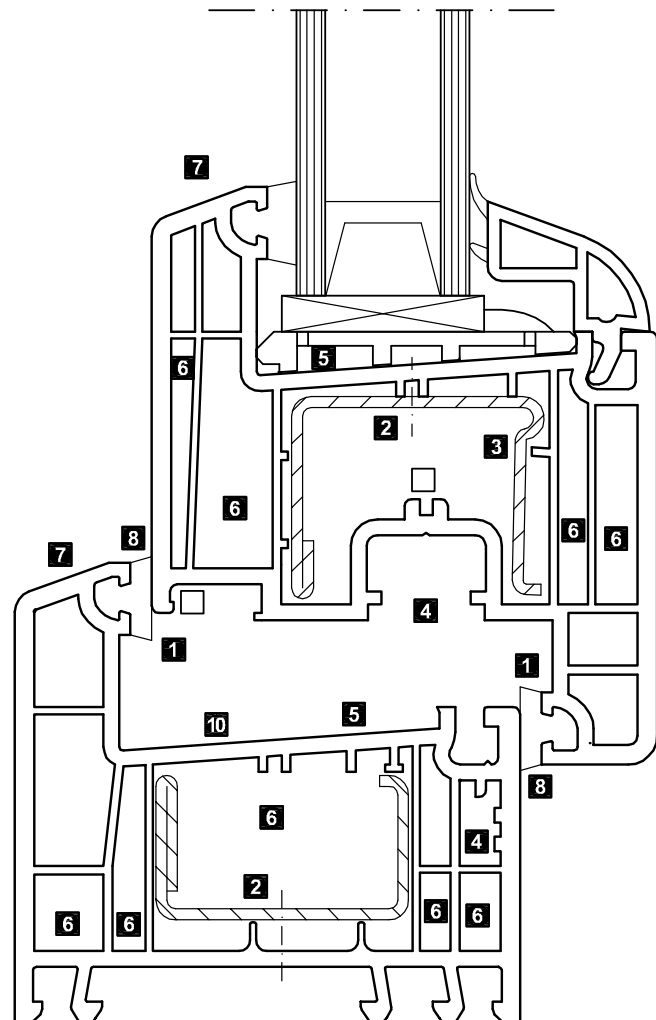
70 mm frame depth, "Five chamber system":

→ offers good protection against cold and noise when using the appropriate glazing.

7

Appealing design:

→ Slimline chambered or sculptured sightlines.



8

Two continuous closing seals with a wide overlap of sash to frame:

→ protects against drafts, dust, water and energy loss.

9

Shorted drainage area:

→ obviates rubbing against with smaller windows.

10

Sloped rebate with a smooth surface in the frame profile:

→ easy to clean, promotes quick water drainage.

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