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# 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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### 2.1 System Description

#### 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**

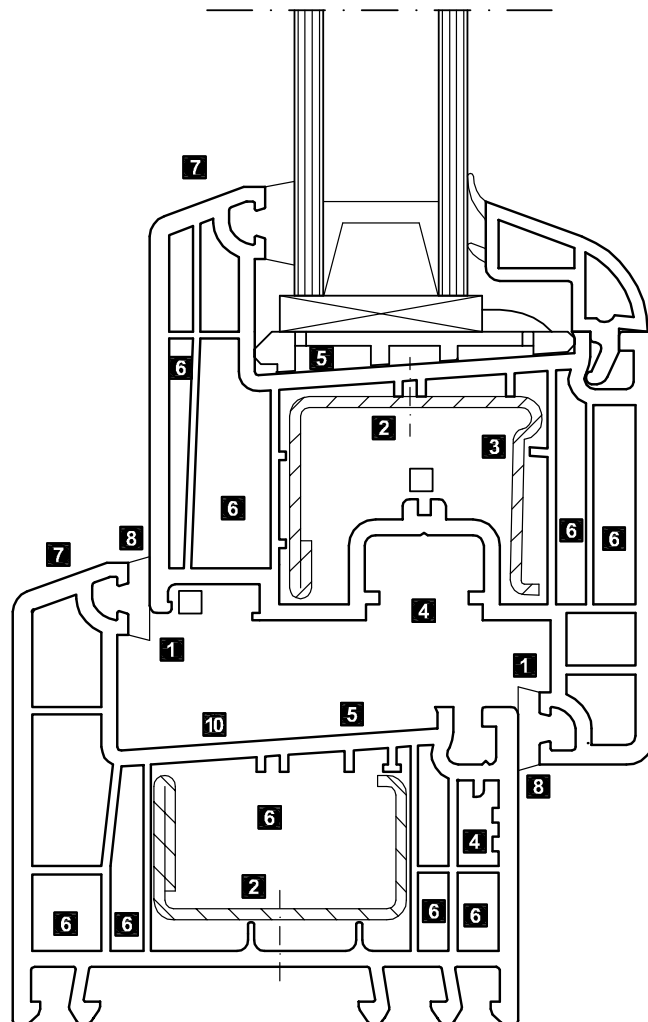
**70 mm frame depth, "Five chamber system":**

→ 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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