

REHAU WINDOW SYSTEM 4500

TECHNICAL INFORMATION
SYSTEM DESCRIPTION

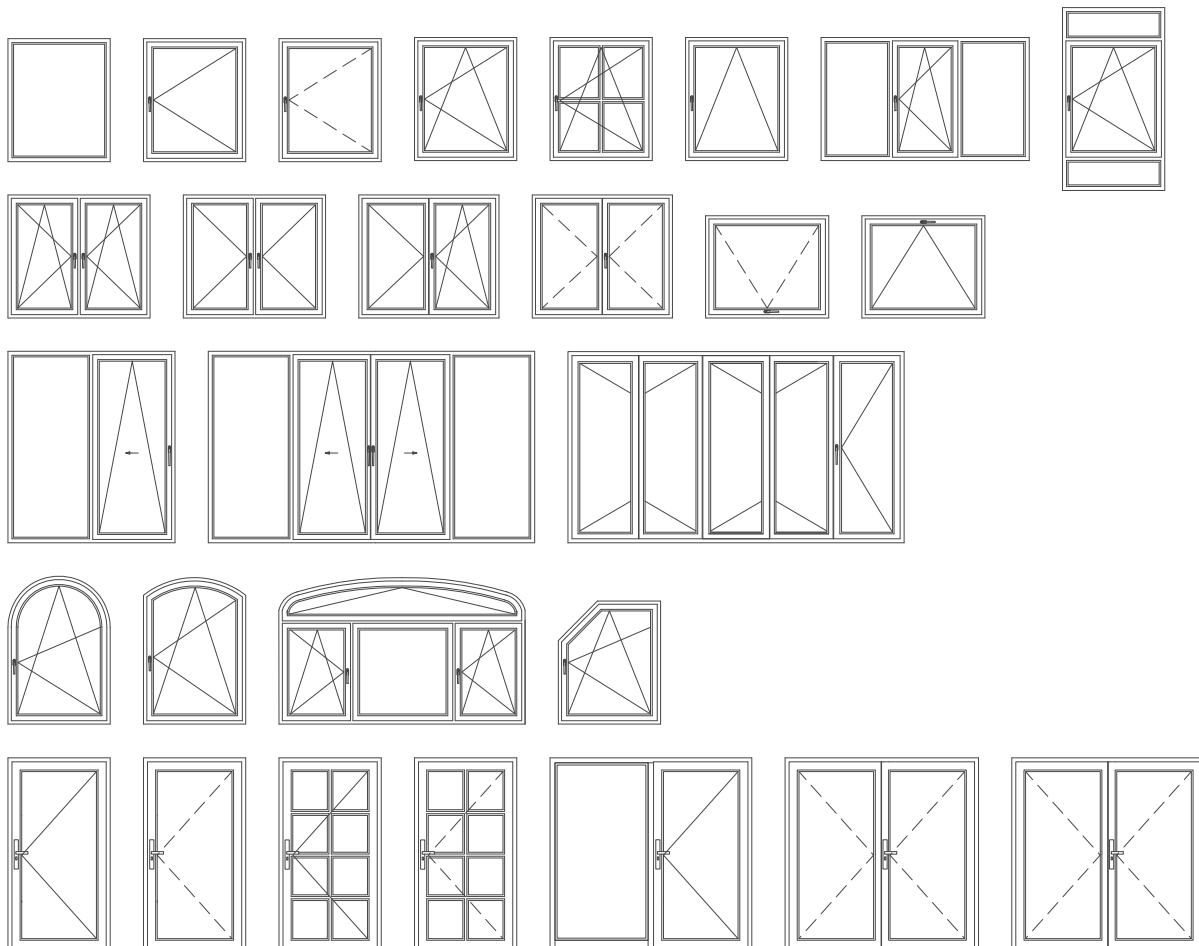
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SYSTEM DESCRIPTION

Description, Technical Data

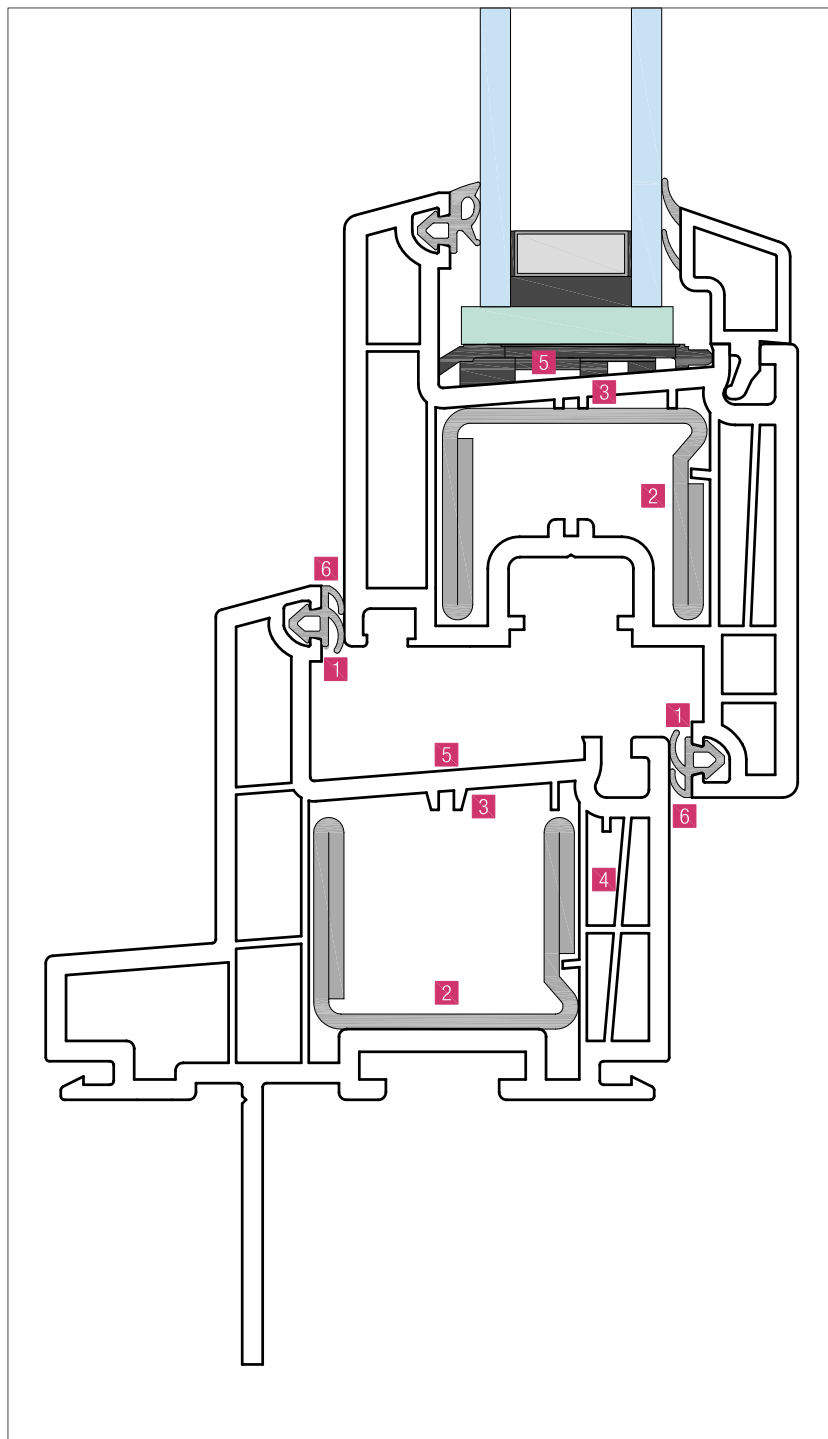
Window / Door Types	Fixed windows, Tilt-Turn Windows (Dual Action), Hopper and Awning Windows, Hinged Doors, Tilt-Slide and Bi-Fold Doors
Material	Cadmium and lead-free RAU-PVC
Sealing System	Twin-compression seals
System Depth	82.5 mm (3.25 in) frame depth for residential applications, 60 mm (2.362 in) frame depth commercial applications
Frame / Sash Overlap	8 mm (.315 in)
Hardware Allowance	12 mm (.472 in)
Max. Glass Thickness	35 mm (1.378 in)
Sightlines Frame / Sash	120 mm - 166 mm (4.724 in - 6.535 in)
Colors	White, Beige and Clay; Woodgrain and solid colored film can be laminated on the inside and outside surfaces
U-values	Down to 0.16 (Btu/hr-ft ² F); Ask REHAU Sales office for actual test reports
Structural Tests	Tilt-turn windows up to design pressures of 100 psf; other window please ask REHAU sales offices for actual test reports
Sound Reduction	Tilt-turn windows up to STC 43; other window please ask REHAU sales offices for actual test reports

Examples of opening types



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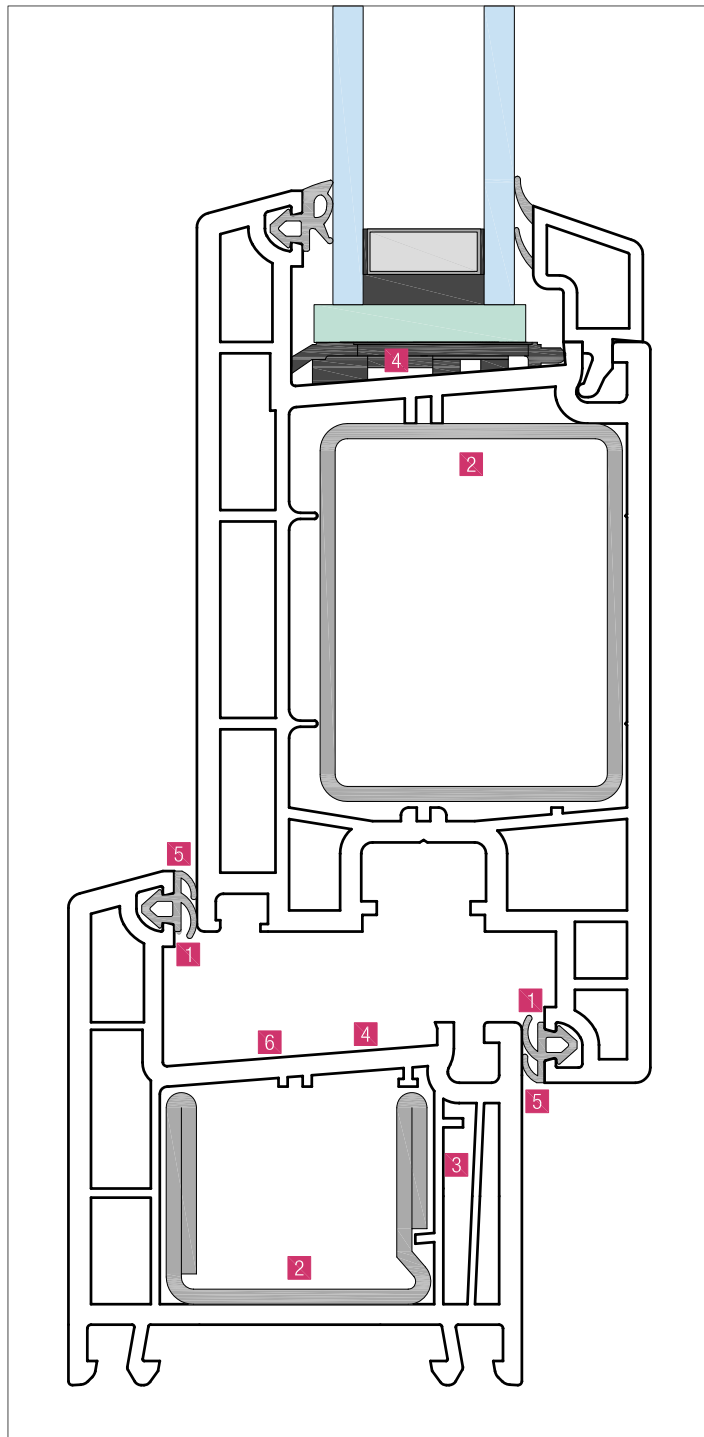


Features and Benefits for Windows

- 1 Common compression seal on frame and sash**
Streamlines inventory and production
- 2 Common reinforcement for sash, frame and T-Mullion**
Reduces storage; provides exceptional thermal insulation even when reinforcements with high static values are used
- 3 Nubs in the reinforcement chambers of frame and sash**
Stabilize the reinforcement during the production process
- 4 Hardware fastened through three walls of PVC or into the reinforcement**
Provides effective transfer of sash loads to the frame
- 5 Identical sloped rebate shape for frame, sash and T-Mullion**
Requires only one cutter stack for all mechanical joints
Allow for easy cleaning and support water drainage to the outside
- 6 Continuous twin-compression seal in frame and sash upstand**
Provides protection against drafts, dust, water, sound and heat loss

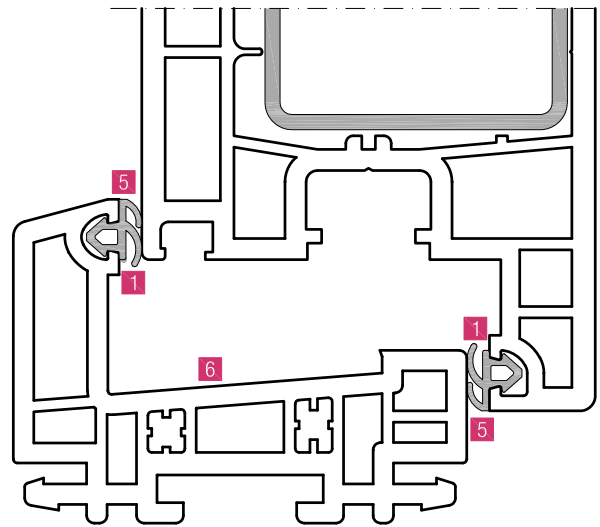
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Features and Benefits for Doors

- 1 Common compression seal on frame and sash**
Streamlines inventory and production
- 2 Steel reinforcement in door sash**
Provides excellent stiffness; weldable corner joints for door sash connect the reinforcement in all four corners providing torsional stability
- 3 Hardware fastened through three walls of PVC or into the reinforcement**
Provides effective transfer of sash loads to the frame
- 4 Identical rebate shape for frame, sash and T-Mullion**
Requires only one cutter stack for all mechanical joints
- 5 Continuous twin-compression seal around perimeter of frame and threshold**
Provides protection against drafts, dust, water and heat loss
- 6 Sloped rebates**
Allow for easy cleaning and support water drainage to the outside



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