

SYSTEM 4500

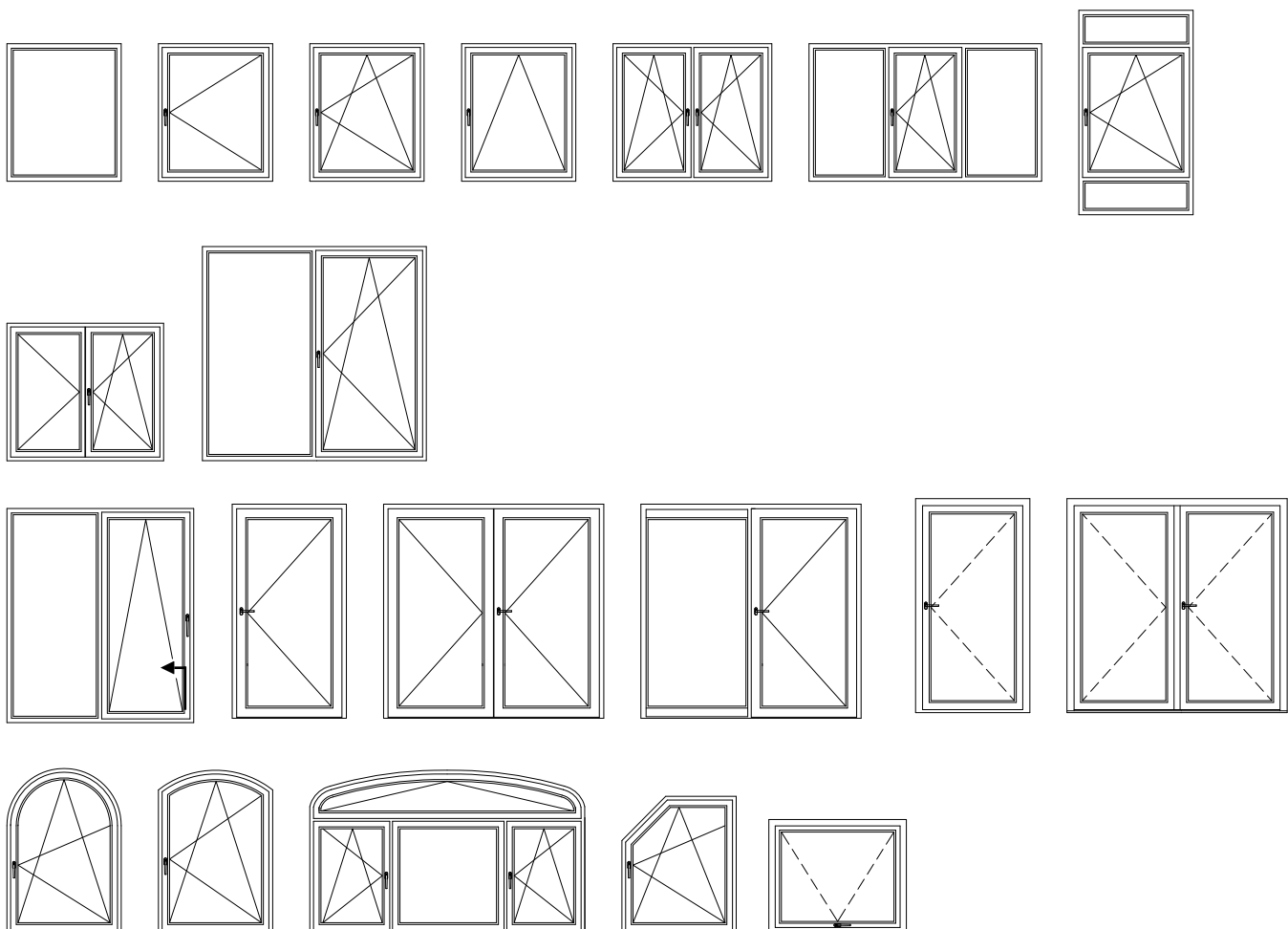
TECHNICAL INFORMATION
SYSTEM DESCRIPTION

SYSTEM 4500

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Description, Technical Data

| | |
|-------------------------|---|
| Window Types | Fixed windows, tilt-turn windows (dual action), hopper and awning windows, hinged and tilt-slide doors |
| Material | Cadmium- and lead-free RAU-PVC |
| Sealing System | Twin-compression seals |
| System Depth | 82.5 mm (3 1/4") frame depth for residential applications, 60 mm (2 3/8") frame depth commercial applications |
| Frame/Sash Overlap | 8 mm (5/16") |
| Seal Gap | Nominal 3 mm (1/8") |
| Hardware Allowance | 13 mm (1/2") |
| Max. Glass Thickness | 32 mm (1 1/4") |
| Sightlines Frame / Sash | 120 mm - 166 mm (4.724" - 6.535") |
| Colors | White and beige; woodgrain and solid colored film can be laminated on the inside and outside surfaces |
| U-Values | Down to 0.21 (Btu/hr-ft 2°F); Ask REHAU sales offices for actual test reports |
| Structural Tests | Up to design pressures of 100 psf; Ask REHAU sales offices for actual test reports |
| Sound Reduction | Up to 43 db; Ask REHAU sales offices for actual test reports |

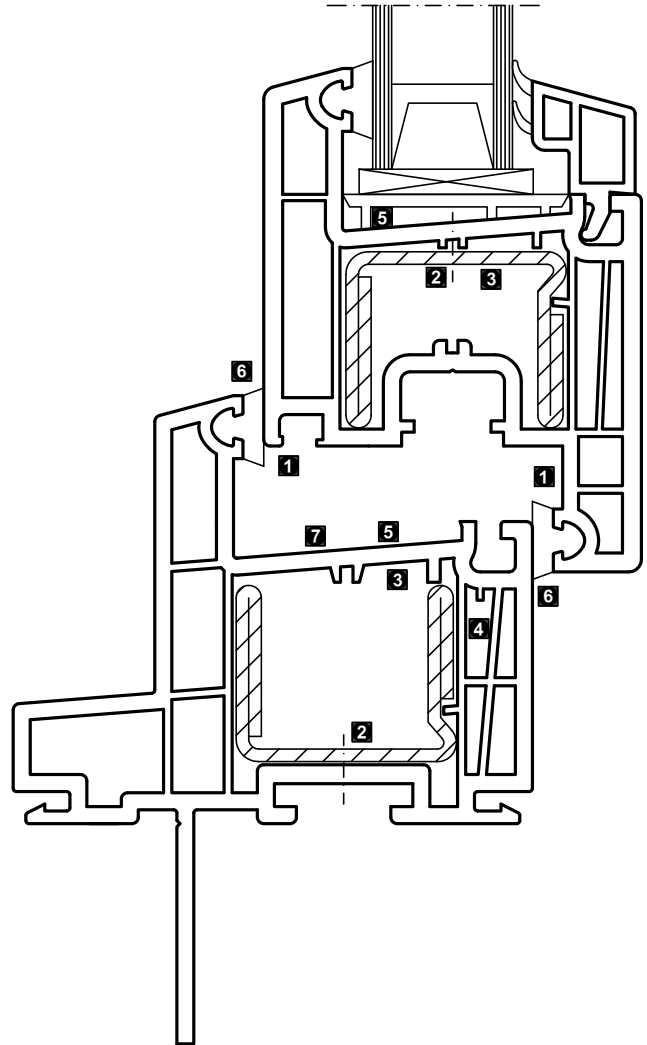


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Features and Benefits for Windows

- 1 Common compression seal on frame and sash**
Streamlines inventory and production
- 2 Common 35 mm (1 3/8") 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**
Assures effective transfer of sash loads to the frame
- 5 Identical rebate shape for frame, sash and T-mullion**
Requires only one cutter stack for all mechanical joints
- 6 Continuous twin-compression seal in frame and sash upstand**
Provides protection against drafts, dust, water and heat-loss
- 7 Sloped frame and mullion rebates**
Allow for easy cleaning and support water drainage to the outside

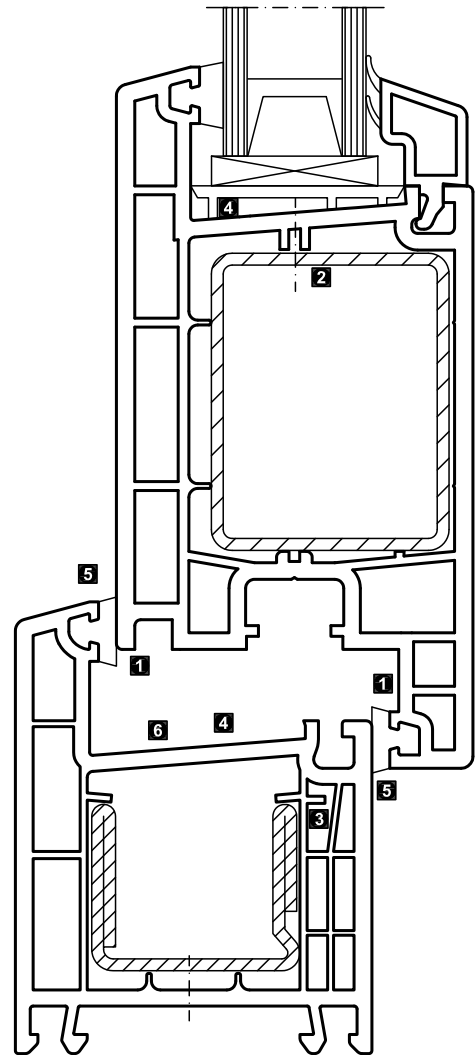
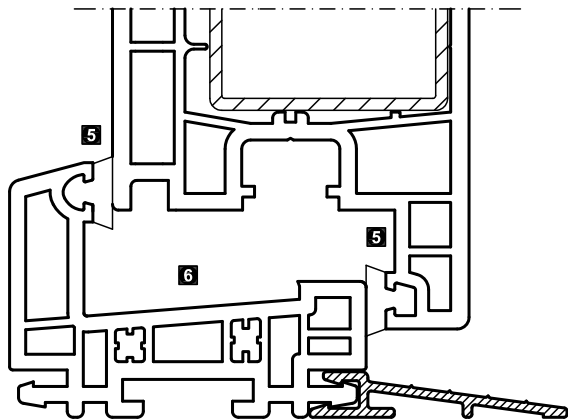


SYSTEM 4500

SYSTEM DESCRIPTION

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 torsion stability
- 3 Hardware fastened through three walls of PVC or into the reinforcement**
Assures 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 seal around perimeter of frame and threshold**
Provides protection against drafts, dust, water and heat-loss
- 6 Sloped rebate**
Allows for easy cleaning and supports water drainage to the outside



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