

ALUMINIUM PROFILE DOOR SYSTEM

PRODUCT MANUAL

Suzhou Oredy Intelligent Door Control Co., Ltd

Version 1.0 | 2026

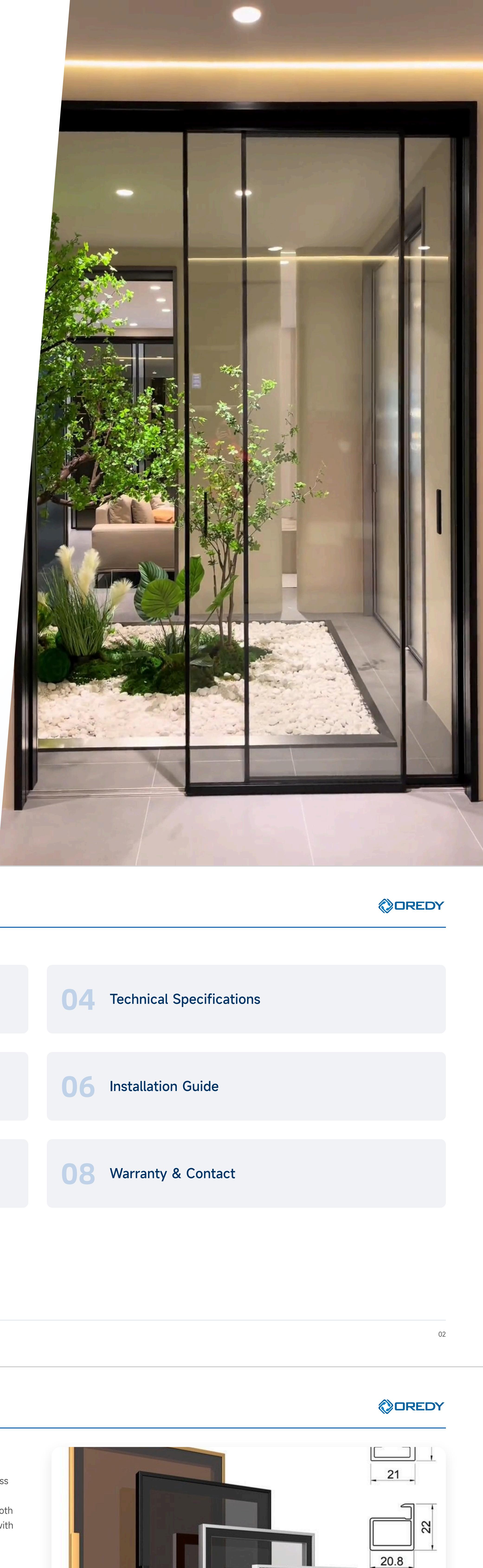


TABLE OF CONTENTS

03 Product Overview

04 Technical Specifications

05 Product Structure

06 Installation Guide

07 Maintenance & Troubleshooting

08 Warranty & Contact

PRODUCT OVERVIEW

Precision Engineering meets Modern Design

The Oredy Aluminium Profile Door System represents the pinnacle of intelligent access solutions. Engineered with high-grade 6063-T5 aluminium alloy, our doors offer exceptional durability, weather resistance, and architectural elegance. Designed for both commercial and premium residential applications, this system integrates seamlessly with modern automated operators.

High Durability

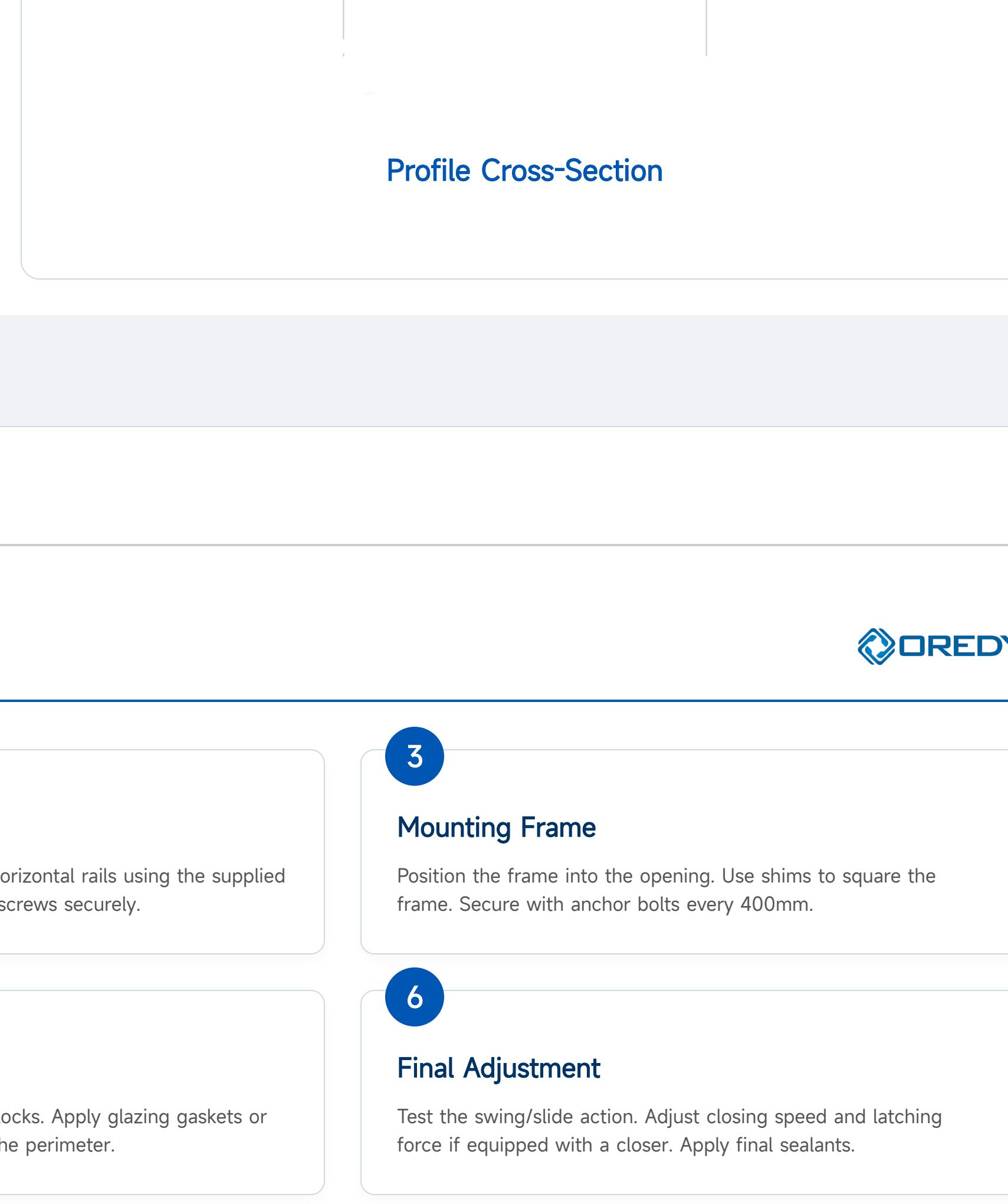
Corrosion-resistant alloy frame ensures long service life.

Noise Reduction

Double-sealed design effectively isolates external noise.

Thermal Insulation

Thermal break technology optimizes energy efficiency.



TECHNICAL SPECIFICATIONS

Material	High-strength 6063-T5 Aluminium Alloy
Profile Series	45mm / 50mm / 65mm / 70mm / 80mm
Wall Thickness	1.4mm - 3.0mm (Customizable based on structural requirements)
Glass Options	5mm - 8mm Tempered Safety Glass / Double Glazing Units
Surface Treatment	Electrostatic Powder Coating, Anodizing, Fluorocarbon Spraying
Color Options	Standard: Matte Black, Silver, White. (Custom RAL colors available)

Wind Load

Class 3

Water Tightness

Class 4A

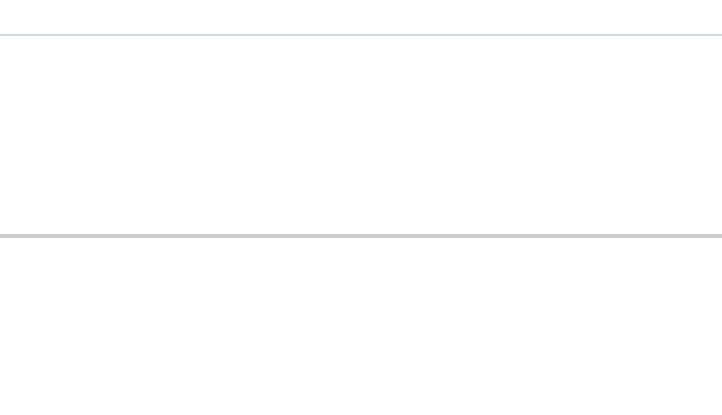
Thermal Trans.

$U \leq 2.5 \text{ W/m}^2$

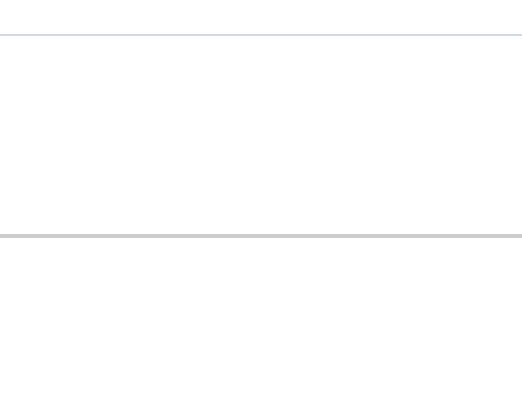
Acoustic

$RW \geq 35 \text{ dB}$

PRODUCT STRUCTURE



Door Frame Assembly



Profile Cross-Section

Key Components:

1. Top Track Rail
2. Vertical Stile
3. Bottom Rail
4. Weather Stripping
5. Glass Support Block

MAINTENANCE & TROUBLESHOOTING

Maintenance Schedule

Regular maintenance ensures optimal performance and longevity.

Frequency	Action
Weekly	Clean the bottom track rails to remove dust and debris. Wipe down profiles with a soft damp cloth.
Monthly	Check rollers and hinges for smooth operation. Inspect weather stripping.
Quarterly	Lubricate moving parts (rollers, locks) with non-corrosive silicone spray.
Annually	Tighten loose screws. Full system inspection by a certified technician. Check alignment and glass seals.

Common Issues

- Door is difficult to slide/open: Check for debris in the track. Verify that rollers are not damaged or obstructed. Adjust roller height.

- Abnormal noise during operation: Lubricate hinges and rollers. Check if the door is rubbing against the floor or frame.

- Water leakage at bottom: Inspect drainage slots for blockage. Check condition of bottom sweep seal and replace if worn.

Warranty & Support

Technical Support

+86-512-XXXX-XXXX
(email protected)

Suzhou Oredy Intelligent Door Control Co., Ltd.

Online

www.oredy.com
@OredyDoors

Limited Warranty Statement

Suzhou Oredy warrants its aluminium profile door system to be free from defects in material and workmanship for a period of 5 years from the date of delivery. This warranty covers the structural and

Damage caused by the aluminium profiles and misuse or lack of maintenance is excluded. Please retain your purchase invoice for warranty claims.