ADOTTA

THESIS - END OF LIFE OPTIONS

DISMOUNTING, REBUILD & RECYCLE INSTRUCTIONS

INTRODUCTION

Thesis is a streamlined wall solution with minimal profiles, engineered for quick installation and easy dismantling in dynamic interior environments.

The end of life (EoL) documentation aims to ensure that materials and components can be managed responsibly once they reach the end of their service life.

By providing clear guidance on dismounting, reuse, and recycling, this document supports sustainable building practices, reduces waste, and promotes circular economy principles.

PURPOSE, SCOPE, STANDARDS & REFERENCES

This document supports architects, facility managers, and installers in managing the end-of-life phase of the Thesis Wall System, covering dismounting, reuse, and recycling options for Thesis products.

Thesis follows the environmental standards EN 15804 and ISO 14040 through its EPD and LCA documentation and is engineered according to the principles of ISO 20887 on Design for Disassembly.

MAIN COMPONENTS & MATERIALS

COMPONENT	MAIN MATERIAL	RECYCLING CODE	ESTIMATED RECYCLABILITY
ALUMINUM PROFILE	EXTRUDED ALUMINUM	ALU 22	≥95%
GLASS PANELS	FLOAT GLASS	GL 70	≥90%
WOODEN DOOR / PANELS	MDF WITH WOOD VENEER	WOOD 50	70-80%
HARDWARE & ACCESSORIES	STEEL / ALUMINUM MIX	FE 40 / ALU 22	≥90%
SEAL & GASKETS	PVC / RUBBER	07 (OTHER)	50-60%
SCREWS & FIXINGS	STEEL	FE(40)	≥90%

DISMOUNTING INSTRUCTIONS

Thesis is conceived as a simplified partition system, based on a reduced number of profiles and designed for rapid assembly and disassembly. The system adopts a dry-assembly logic with no structural bonding; however, double-sided adhesive tape is applied at floor and vertical junctions to ensure precise alignment and eliminate air gaps between profiles and adjacent surfaces. This adhesive element is non-structural and can be removed during dismantling, following the release of mechanical fixings.

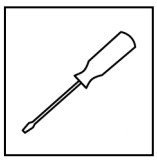
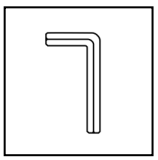
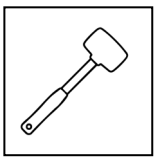
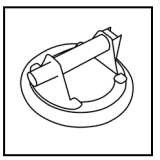
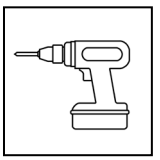
All primary connections are secured through screws and mechanical brackets, allowing each element to be removed, replaced or recovered without damaging adjacent modules. Thanks to its streamlined construction, Thesis supports reverse installation logic, enabling controlled dismantling for relocation, reconfiguration or end-of-life material separation.

Before proceeding, it is essential to identify the door configuration (hinged or sliding) and the presence of fixed glass modules, as each configuration follows a dedicated disassembly procedure.

During disassembly, all fastening elements - including screws, brackets and connectors - should be retained for potential reuse or replacement in future installations.

The following instructions require the use of standard mechanical tools, typically including:

- Torx screwdriver
- Allen key
- Rubber mallet
- Suction cups for glass
- Power screwdriver
- Adjustable spanner
- Personal safety equipment (gloves, eyewear)

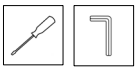







DISMOUNTING INSTRUCTIONS - DISASSEMBLY SEQUENCE FOR SWING DOOR

The following disassembly sequence applies to Thesis partitions equipped with a swing door.

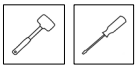
STEP 1 - REMOVE HARDWARE FROM THE DOOR

- Detach handles or pulls, closing mechanisms and accessory fittings.



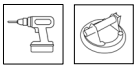
STEP 2 - REMOVE FINISHING PROFILES

- Remove top, bottom and vertical finishing profiles and access to hinges fasteners.



STEP 3 - REMOVE THE DOOR

- Unscrew the hinges from the frame and remove the door.



STEP 4 - EXTRACT FIXED GLASS PANELS

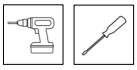
- Lift and remove glass panels with suction devices.
- Store glass panels, protecting the edges from damage.

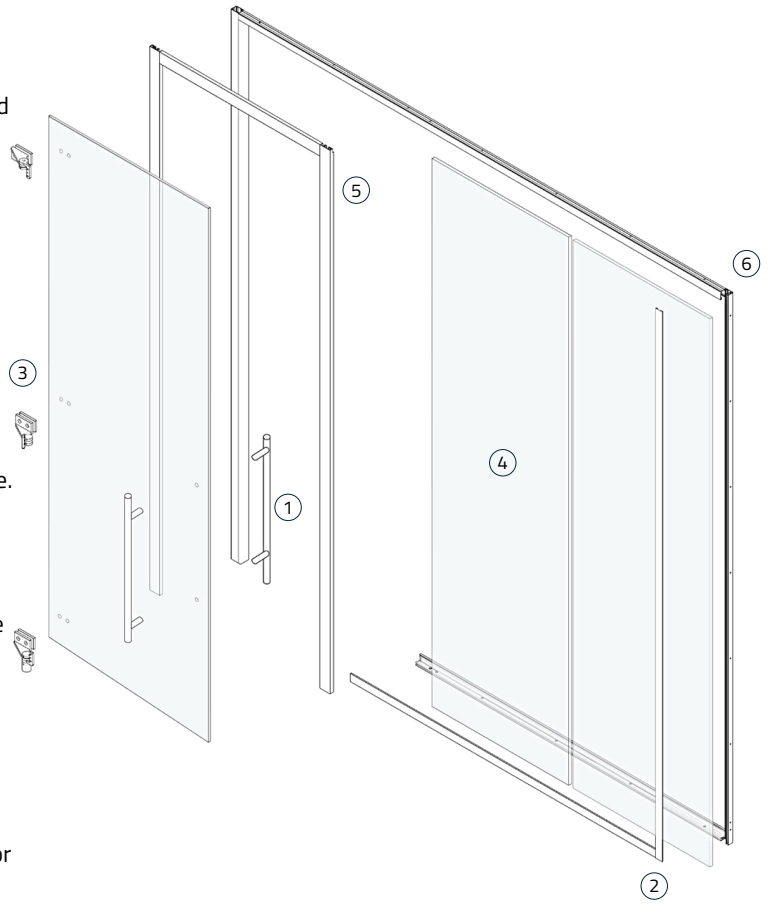
STEP 5 - REMOVE DOOR JAMB

- Unscrew the floor and ceiling fasteners to remove the door jamb and the horizontal transom.

STEP 6 - DISASSEMBLE ALUMINIUM BASE PROFILES

- Unscrew all mechanical fixings and remove the aluminum base profiles.
- Collect brackets, screws, gaskets and metal fittings for reuse or replacement.

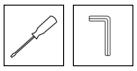




DISMOUNTING INSTRUCTIONS - DISASSEMBLY SEQUENCE FOR SLIDING DOOR

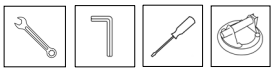
The following disassembly sequence applies to Thesis partitions equipped with a sliding door using Terno sliding tracks with integrated soft-stop mechanism.

STEP 1 - REMOVE HARDWARE FROM THE DOOR
- Detach handles or pulls, closing mechanisms and accessory fittings.

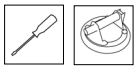


STEP 2 - REMOVE COVER PROFILE
- Remove frontal cover profile to expose the upper sliding rail and sliding mechanism.

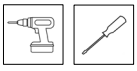
STEP 3 – DISENGAGE SOFT-STOP MECHANISM AND REMOVE THE SLIDING DOOR
- Disconnect the sliding carriage on the door from the soft-stop mechanism.
- Lift and remove the door panel from the sliding rail.

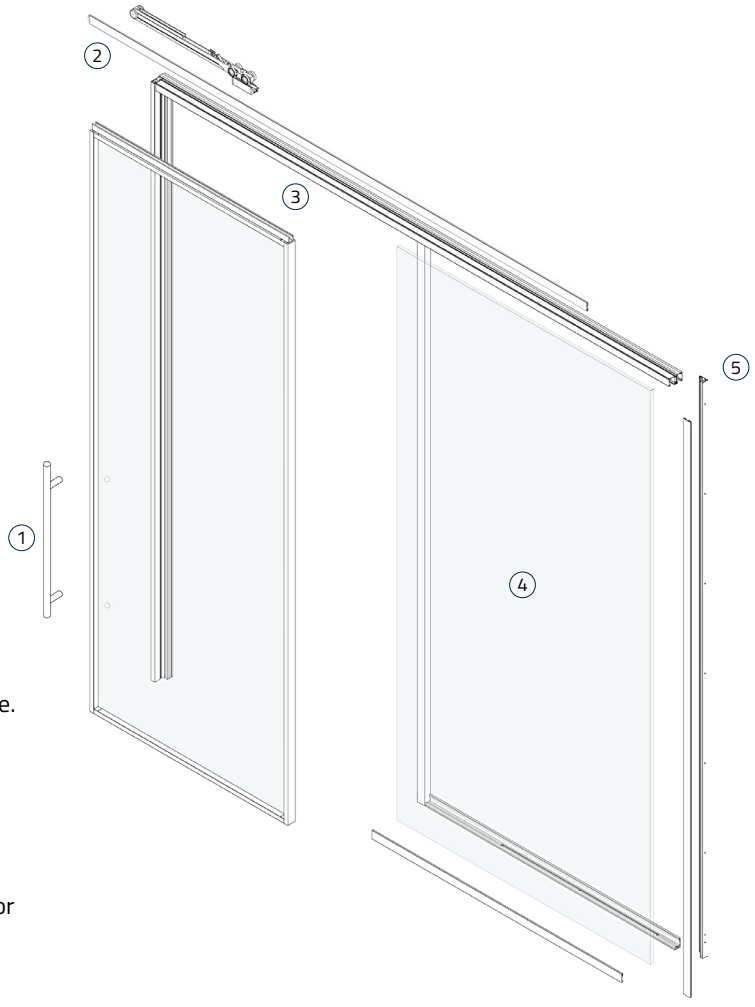


STEP 4 – REMOVE FINISHING PROFILES AND FIXED GLASS PANELS
- Remove finishing profiles on the side opposite the sliding track.
- Lift and remove glass panels with suction devices.
- Store glass panels, protecting the edges from damage.



STEP 5 - DISASSEMBLE ALUMINIUM BASE PROFILES
- Unscrew all mechanical fixings and remove the aluminum base profiles.
- Collect brackets, screws, gaskets and metal fittings for reuse or replacement.





REUSE OPTIONS

Thesis is a relocatable partition system that can be dismantled and reinstalled in new environments such as offices, corporate interiors, or commercial spaces without compromising structural integrity or aesthetic quality.

Partial or total reuse of glass panels, aluminum profiles, and hardware is possible when components remain undamaged and the new installation maintains compatible module dimensions and configurations.

Adotta provides disassembly documentation and technical support to facilitate reuse operations and circular resource management.

THESIS MODULES ARE REMOUNTABLE IN DIFFERENT SITES

GLASS AND ALUMINUM PROFILES ARE FULLY REUSABLE IF UNDAMAGED

PARTIAL REUSE: COMPONENTS CAN BE STORED FOR MAINTENANCE OR REPLACEMENTS

ADOTTA PROVIDES TECHNICAL SUPPORT FOR REINSTALLATIONS

RECYCLING OPTIONS

Thesis components can be easily separated and directed to recycling streams after disassembly.

ALUMINIUM PROFILES
Aluminum profiles are fully recyclable and can be reintroduced into industrial recycling loops with minimal material loss.

GLASS PANELS
Glass panels may be sent to flat glass recycling facilities, provided they are free from contaminants or sealing residues.

WOOD DOORS / PANELS
Wood-based doors or veneered MDF panels, when present, can be directed to wood recycling or fibre recovery processes, depending on surface coatings and finishes.

GASKETS & PLASTIC
Limited recyclability and processed only at specialized facilities, otherwise directed to thermal energy recovery.

ONLY FOR NON-REUSABLE OR NON-RECYCLABLE COMPONENTS:
DISPOSAL MUST TAKE PLACE AT AUTHORIZED FACILITIES IN COMPLIANCE WITH APPLICABLE REGULATIONS

CERTIFICATIONS & GREEN BUILDING CREDITS

Thesis has undergone a Life Cycle Assessment (LCA) and is documented through international standards such as EN 15804 (EPD) and ISO 14021. Its environmental transparency and design for disassembly allow project teams to achieve credits within LEED, BREEAM and WELL certification frameworks.

RECYCLED CONTENT
Total recyclable mass: ≥90% (aluminum, glass, steel as main fractions)
Pre-consumer recycled content: 0.027%
Post-consumer recycled content: 1.62%

LEED v4 / v4.1 – MATERIALS & RESOURCES (MR)
MRc1 – Building Life-Cycle Impact Reduction: Demountable system enabling reuse and reduction of waste
MRc2 – Environmental Product Declarations: Supported by type III EPD compliant with EN 15804 / ISO 14025
MRc3 – Sourcing of Raw Materials: Traceability and recycled content declaration (ISO 14021)
MRc5 – Construction & Demolition Waste Management: Dry assembly and material separation at end of life

BREEAM - MATERIALS & WASTE
Mat 01 – Life Cycle Impacts: Performance data available through LCA and EPD documentation
Mat 03 – Responsible Sourcing: Controlled material supply chain and product traceability
Wst 01 – Construction Waste Management: Designed for disassembly and recovery

WELL BUILDING STANDARD
Certification not yet completed, but the system is aligned with:
Material Concept – Circular Design: Modular system supporting reconfiguration and reuse
Material Transparency: Disclosure through EPD and recycled content statement
Light & Visual Comfort: Glazed modules support daylight transmission and visual openness

ENVIRONMENTAL DOCUMENTATION
EPD – EN 15804 / ISO 14025: Life Cycle Assessment and impact data verified by independent body
ISO 14021 – Recycled Content Declaration: Pre- and post-consumer recycled content quantified
HPD – Health Product Declaration: Under development to support future material health reporting