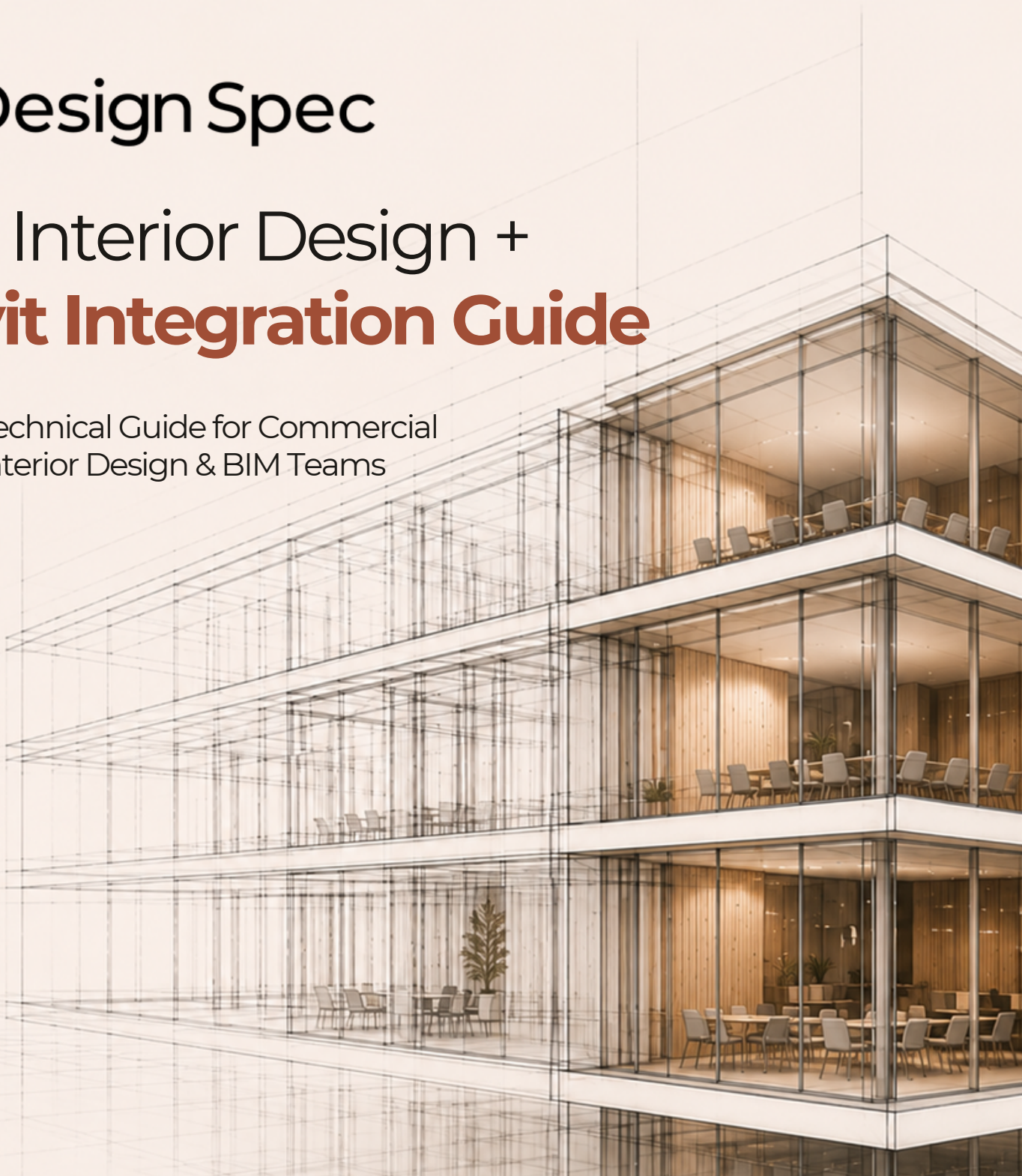




The Interior Design + **Revit Integration Guide**



Technical Guide for Commercial
Interior Design & BIM Teams



Eliminate Handoff Friction Between ID & Architecture Teams

Connect your Revit model directly to live commercial specifications through our native synchronization workflow.



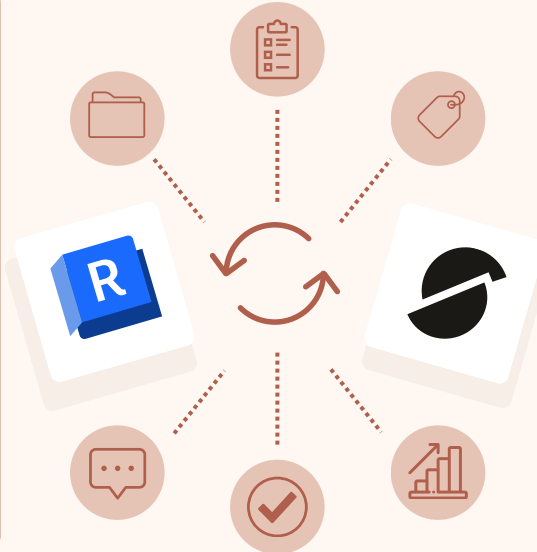
Why Revit + DesignSpec?

DesignSpec connects your Revit model directly to your specifications, keeping project information aligned, accurate, and up to date.



The Challenge

- ✗ Duplicate data entry
- ✗ Outdated specifications
- ✗ Quantity mismatches
- ✗ Version conflicts
- ✗ Manual team coordination
- ✗ Costly rework
- ✗ Procurement delays



The Solution

- ✓ Direct Revit integration
- ✓ Live specification sync
- ✓ Quantity synchronization
- ✓ Room mapping
- ✓ Enriched product data
- ✓ Controlled updates
- ✓ Reliable collaboration

Inside The Guide



How the Sync Works



Data That Synchronizes



Implementing Best Practices



Maintaining Accuracy



Supported Revit Versions

94%

of project information is reused throughout the design process



DesignSpec is the only commercial specification platform with a direct Revit integration, helping teams eliminate duplicate entry and keep specifications aligned with the model.



Everything is Connected



Reduce Risk & Rework



Improve Team Collaboration



Deliver Confidently



At a Glance

 CAPABILITY	SUPPORTED
 Revit 2021–Current	✓
 One-way Sync	✓
 Two-way Attribute Updates	✓
 Quantity Sync	✓
 Room Mapping	✓
 Type Mark Matching	✓
 Saved Mapping Profiles	✓
 Revision History	✓
 Submittal Generation	✓

Why These Capabilities Matter



No duplicate entries, just sync once



Keep model & specs aligned



Organize by floor & areas (mapped from Revit Rooms)



Produce submittal-ready documents

What is the DesignSpec Revit integration?

The DesignSpec Revit Integration is a native Sync Add-In that connects Autodesk Revit with DesignSpec. It imports product family data, including descriptions, quantities, room locations, and mapped parameters.

Why do connected specifications matter?



Version Failure

Multiple copies of the same spec circulate, and the wrong revision goes out to the general contractor or owner.



Quantity Drift

The model says 214 lounge chairs, the spec book says 198, and nobody knows which is current until it is flagged.



Silent Model Changes

The architecture team swaps or renames a family, and the spec set keeps describing a product that no longer matches.



Submittal Failure

A package that is outdated, incomplete, or internally inconsistent reaches the client or contractor.



Poor Data Costs Money

According to Autodesk and FMI, poor data cost the construction industry an estimated **\$1.85 trillion** in 2020.



How does the DesignSpec & Revit integration work?

Connect to Revit through the DesignSpec Sync Add-In, which runs inside Revit and syncs project data with a corresponding DesignSpec project.



Install

Install the DesignSpec Sync Add-In for your version of Revit.



Connect

Sign in & link your DesignSpec project.



Configure

Map Revit rooms to areas, parameters, & select the families to sync.



Sync

Sync your data from Revit to DesignSpec.



Create & Manage

Build & manage your specifications with live, connected data.

Why These Capabilities Matter



Type Marks

Link Revit families to DesignSpec specifications.



Room Mapping

Map Revit Rooms to DesignSpec Areas to see quantities per area and the overall total.



Quantity Sync

Quantities are refreshed from the model each time you run a sync.



2-Way Updates

Push approved product attributes back into existing Revit families.

Implementation Tips

Before Your First Sync

1



Create your DesignSpec project first

2



Install the matching Revit plugin version

3



Ensure families have Type Marks

4



Decide who owns the syncs

5



Treat Spec Codes as permanent IDs

6



Reuse attribute mappings across projects

7



Revit schedules aren't synced

8

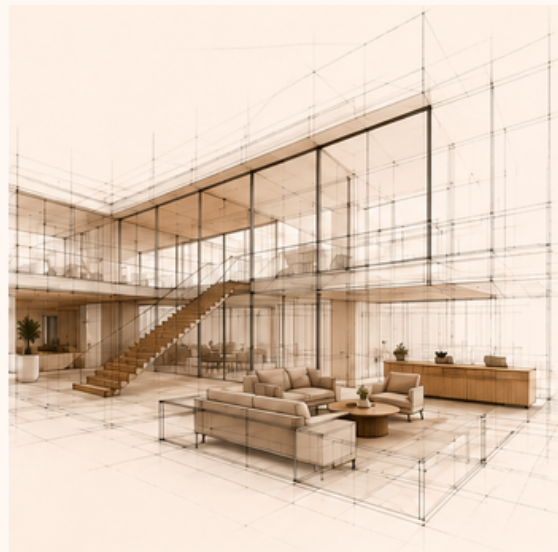


Floors and walls aren't synced



Best Practices

A successful first sync takes just minutes. Save your mappings and treat Spec Codes as permanent IDs for reliable future projects.





What data syncs, & in what direction?

DesignSpec to Revit writes mapped attribute updates back to existing Revit families that share a Type Mark. Before syncing, your team can compare each specification's DesignSpec and Revit values and choose which specifications to include; if a specified material isn't loaded in Revit, it's skipped. It does not create new families or new materials, and it does not write quantities back. Revit schedule syncing and system families such as floors and walls are not currently supported.

 DATA	 DIRECTION & BEHAVIOR
 Type Mark	Matches specs to families; creates new specs, not changed on existing ones
 Description	Used when creating new specs (Revit to DesignSpec)
 Quantity	Updated from the model on Revit-to-DesignSpec sync; not written back to Revit
 Room to Area Mapping	Revit rooms map to DesignSpec areas, creating areas or sub-areas as needed
 Product Attributes	Vendor, manufacturer, cost, stage, and other mapped attributes, per team selection and direction
 Parameters	Team-selected parameters map between Revit and DesignSpec and update on sync

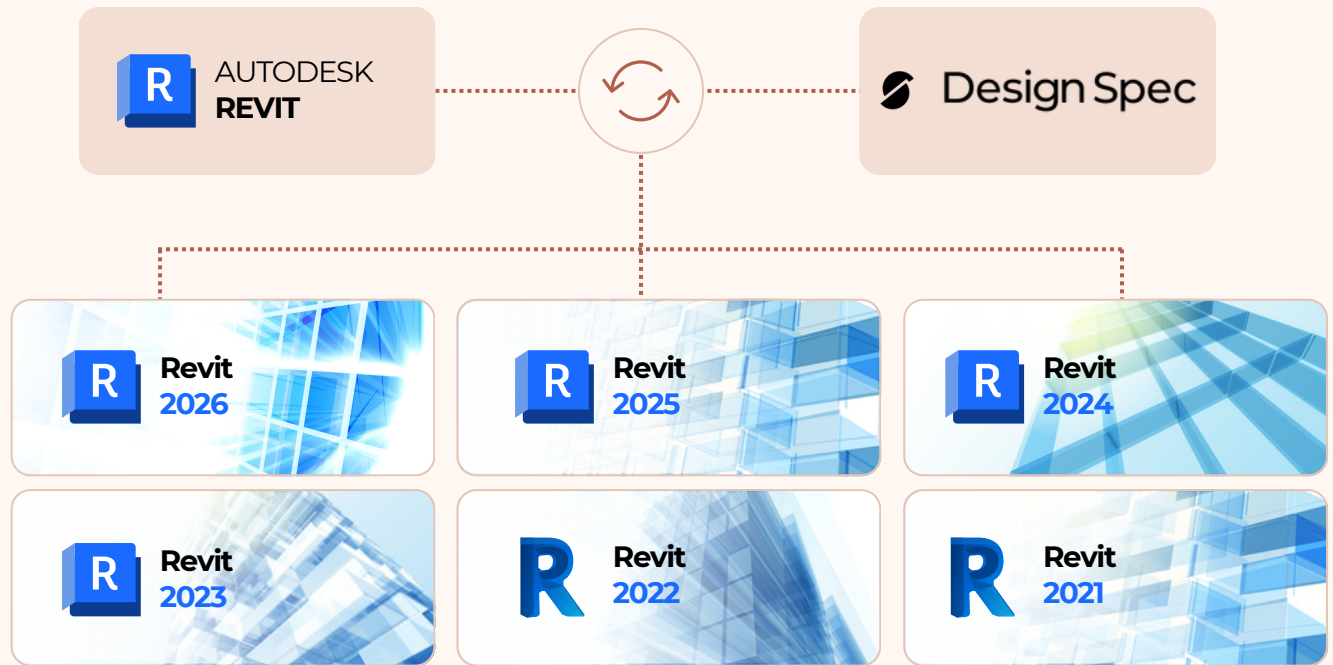


Designed for Safe Synchronization

Syncs are non-destructive, preserve spec data, remember mapping settings, & give teams full control over what is synchronized.

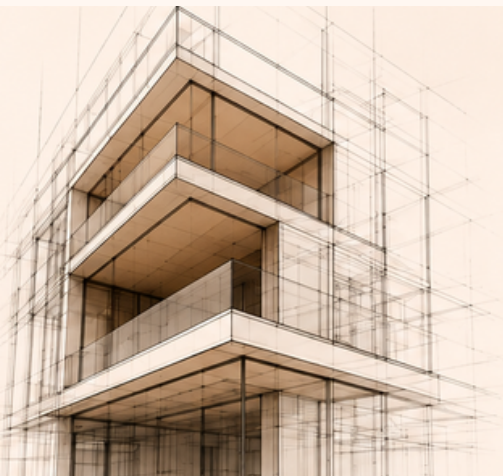
Revit Compatibility & Installation

DesignSpec integrates with multiple versions of Autodesk Revit, making it easy to connect your Revit models directly to your DesignSpec specifications. Supported versions:



Built for Your Supported Revit Version

DesignSpec maintains version-specific sync add-ins, allowing firms to continue working in their preferred Revit release while maintaining connected specs.





Why BIM Managers Choose Us



Native Revit Integration

DesignSpec connects directly to Autodesk Revit through a version-matched Synch Add-In, supporting Revit 2021 through 2026.



Reliable Data Matching

Specifications are linked to Revit families using the Revit Type Mark, preventing duplicate records and keeping specifications connected across future synches.



Flexible Data Control

Select which categories, families, Revit Rooms, and parameters participate in each sync.



Non-Destructive Synchronization

Re-synch with confidence. Images, pricing, documents, and enriched specification data are preserved while model updates are synched automatically.



Controlled Write-Back

Approved attributes can be written back to existing Revit families without creating new families, modifying quantities, or changing materials.



Bad Data Drives Costly Rework

An estimated 14% of global construction rework is attributed to poor data, making accurate, connected project information critical.



Get Started

Ready to connect Revit with your specifications? Our Revit integration is available with a **DesignSpec Pro Plan**.

Need a free trial? Sign up on **designspec.com**.

Evaluate your current workflow:

-   Native Revit Integration
-   Saved Mapping
-   Two-Way Sync
-   Revision History
-   Structured Project Organization
-   Commercial Scale
-   Controlled Write Back
-   BIM Manager Friendly

Book a Demo

[Watch a 3-minute walkthrough](#) →



What is the DesignSpec Revit integration?

It is the DesignSpec Sync add-in for Revit, which connects a Revit project to a corresponding DesignSpec project. The add-in creates specifications from product families in the model and updates those specs as quantities and parameters change.

How does DesignSpec know which spec matches which Revit element?

It is the DesignSpec Sync add-in for Revit, which connects a Revit project to a corresponding DesignSpec project. The add-in creates specifications from product families in the model and updates those specs as quantities and parameters change.

What data syncs between Revit and DesignSpec?

From Revit to DesignSpec, the sync carries the Type Mark, description, quantity, room-to-area mapping, and a range of product family attributes such as vendor, manufacturer, cost, and stage fields, plus the parameters the team maps. From DesignSpec to Revit, the team can push approved attribute updates onto existing matching families. Teams control which categories, families, Revit Rooms, and parameters are included. Revit Rooms are mapped to DesignSpec Areas during synchronization.

Will a re-sync overwrite work my team has done in DesignSpec?

No. Images, documents, pricing, and additional attributes added in DesignSpec after a sync are preserved when the project syncs from Revit again, so enrichment work is never lost to a model update.

Is the integration one-way or two-way?

It supports both directions, and the team selects the direction for each sync. Revit to DesignSpec creates and updates specifications from the model. DesignSpec to Revit writes approved attribute updates onto existing Revit families with a matching Type Mark; it does not create families, sync quantities, or create materials. Revit schedule syncing is not currently supported.

Do interior designers need to be Revit experts to benefit?

No. The integration is designed so that model data flows to the specification team regardless of who authors the model. Designers work in DesignSpec on enriched, structured specs while the BIM environment continues to operate on its own standards.

How does this help BIM managers specifically?

It extends data discipline into the specification layer instead of leaving specs in unmanaged spreadsheets. Selective sync, saved mappings, and typemark-based matching mean the integration follows the firm's BIM standards rather than working around them.

What happens when the architecture team changes the model?

On the next Revit-to-DesignSpec sync, matching specifications are updated with current quantities, room mapping, and mapped parameters, so the spec set reflects the model without a manual reconciliation exercise. Specs whose codes no longer match any Type Mark are simply left alone rather than corrupted.

How is DesignSpec different from managing specs in Excel or InDesign

Excel and InDesign hold static documents with no model connection, no revision history, and no structural understanding of floors, areas, and rooms. DesignSpec is a structured platform where specs are live records with version control, approval trails, and submittal-ready output, fed directly by the Revit model..

Does any other commercial spec platform offer this?

DesignSpec is the only commercial spec platform with direct Revit integration. Spec tools without a native Revit connection leave the ID-to-architecture handoff manual.