

Crown Molding Angle Calculator — Quick Guide

What This Is

A free web app for calculating compound miter and bevel cuts for crown molding. It runs entirely in your phone's or computer's browser — no download, no account, and no data sent anywhere. Everything stays on your own device.

What It's For

Cutting crown molding cleanly at an inside or outside corner takes two angles at once — a miter angle and a bevel angle — and both depend on the corner's actual measured angle and the molding's spring angle. Working this out by hand, or hunting through a printed angle chart, is slow and easy to get wrong, especially across a whole room where corners are rarely perfectly square.

Why You'd Want to Use It

If you install crown molding with any regularity, this app turns a chart-and-calculator chore into a couple of taps. Enter a corner's measured angle and the correct miter and bevel come back immediately, so you're not pausing mid-job to do trigonometry or flip through a laminated chart looking for the closest match to your actual wall angle.

It's built around doing a whole room at once, not just one cut. As you work your way around a room, add each piece to a running cut list with its length and the joint type at both ends, and the app keeps track of the room for you — including flagging it when two adjoining corners don't quite line up, which is usually worth a second look before you cut. When the list is complete, print it or save it as a PDF, so you can bring a single sheet to the saw instead of re-checking your phone for every piece.

What It Does

- **Calculates compound miter and bevel angles** for any wall corner angle and spring angle, using 38°/52°, 45°, or a custom spring angle.
- **Builds a complete cut list** for a room, tracking each piece's length and the joint type at both ends — Inside, Outside, Coped, Butt, Splice, or Return.
- **Shows a matching symbol for each joint type**, on the selection buttons and again in the cut list, so pieces are easy to tell apart at a glance.
- **Flags likely corner mismatches** automatically when two adjoining inside/outside corners don't line up as expected.
- **Organizes multiple rooms** at once, each with its own name and its own independent cut list.

- **Prints or saves a PDF** of any room's cut list, laid out as a clean table for the shop — no phone screen needed at the saw.
- **Remembers everything between visits**, saved on your own device, so your rooms, pieces, and settings are still there the next time you open it.

How to Use It

1. Pick your spring angle — 38°/52°, 45°, or a custom angle — near the top of the app. This applies to every calculation and stays selected until you change it.
2. (Optional) Switch to the Calculator to check a single miter and bevel angle: enter a corner's measured angle and read the result immediately.
3. Switch to the Cut List to build out a full room.
4. (Optional) Give the room a name, and add more rooms with "+ Add room" if you're working on more than one at a time.
5. For each piece: choose the left end's joint type, enter its measured wall corner angle if that joint type calls for one, do the same for the right end, enter the piece's length, then tap "Add piece to list."
6. Repeat the previous step for every piece in the room.
7. (Optional) Tap any piece in the list to reopen and edit it, or tap an end's symbol to check it off once it's cut.
8. (Optional) Tap "Print / Save as PDF" to print the finished list or save it as a PDF to bring to the saw.

A Note on Corner Mismatch Warnings

Only Inside and Outside corners are checked against each other for a mismatch. A Coped end is designed to mate against a Butt cut on the neighboring piece rather than another measured corner, and Splice and Return ends aren't corners at all — so neither one triggers a warning. If a mismatch warning does appear on an Inside or Outside corner, it's worth double-checking the measured angles on both adjoining pieces before you cut.