DOOR STYLE SPECIFICATION

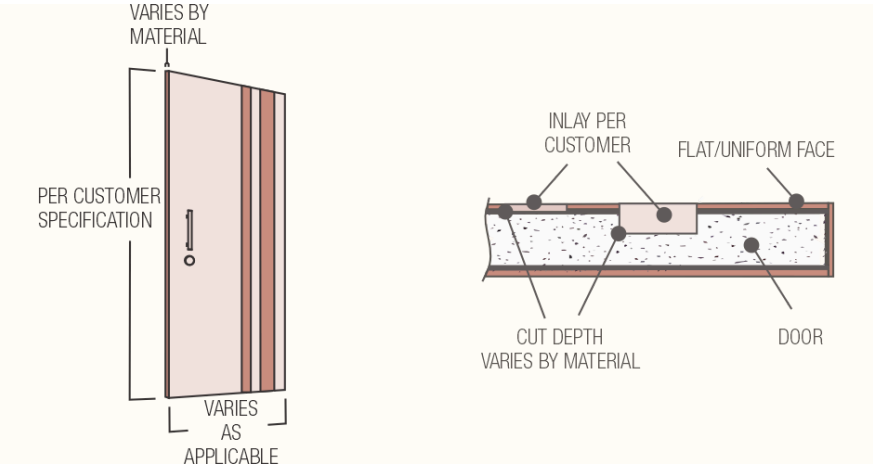
Inlay

Inlay is a slab door with a second material CNC-cut and bonded into its face, producing an essentially flush, multi-material surface.

CONSTRUCTION	DOOR FACE	DOOR HEIGHTS	MATERIALS
Slab	**Multi-material**	**58″ to 108″**	**Four**
Same base as Flat Panel	Second material set into the face	Maximum set by material	Solid Surface as a custom option

WHAT IT IS

Typically, the base material is laid up on the core, the inlay locations are CNC-routed, and inlay pieces cut to matching profiles are bonded in. Color, finish, or texture changes within a single door face, and the door typically follows Flat Panel dimensions in the same material.



Inlay detail: door elevation with vertical inlay strips, and a section through the slab showing inlay pieces set into cutouts in the face, with cut depth varying by material.

MATERIAL AVAILABILITY

High Pressure Laminate	● Standard
Compact Laminate	● Standard
Wood Veneer	● Standard
Solid Surface	● Custom

SPECIFIES WITH

MOUNTING STYLES
Headrail Braced (HRB) · Floor to Ceiling (FTC) · European · Floor Mount (FM) · Ceiling Hung (CH)

SOLID SURFACE MOUNTING
Headrail Braced (HRB) · Floor to Ceiling (FTC) · European

EDGE PROFILES
Flat Edge · Zero Sightline (ZSL)

DOOR SELECTION

STRENGTHS

+ **Mixed Materials.** Two materials in one face, such as laminate with a metal accent or veneer with a contrasting veneer.
+ **Standard Patterns.** Nine standard patterns are already tooled and selected by name, with no design file required.
+ **Vertical Runs.** Vertical inlays held within each component repeat along the run with no cross-component alignment.

CONSIDERATIONS

! **Moisture.** Joints are not guaranteed watertight; not suited to high humidity or recurring water contact.
! **Horizontal Alignment.** Horizontal bands that cross from one component to the next are very difficult to align in the field.
! **Design Limits.** Curves hold a 0.25″ minimum radius; highly detailed patterns can extend the production schedule.
! **Material Pairings.** Acrylic inlays on Compact Laminate and any inlay on Solid Surface are custom work requiring review.

TECHNICAL REFERENCE

CONSTRUCTION

COMPONENT	SPECIFICATION
Method	Typically, base laid up on the core, inlay locations CNC-routed, inlay pieces cut to matching profiles and bonded in
Fit	Essentially flush; little or no gap at the edges
Inlay on High Pressure Laminate	Laminate or metal, such as stainless steel or brass
Inlay on Wood Veneer	Veneer, HPL, or metal; veneer inlays receive the base veneer finish, so contrast comes from the veneer selection
Inlay on Compact Laminate	Plastic laminate or metal; acrylic by custom engineering review
Inlay on Solid Surface	Contrasting Solid Surface, metal, or HPL; custom, fabrication method confirmed for each design

HEIGHTS AND SIZING

ITEM	SPECIFICATION
Dimensions	Typically the same as a Flat Panel door in the same material; the inlay changes the face, not the size
Standard heights	58″, 72″, and 84″
Maximum height	108″ HPL and Wood Veneer; 84″ Compact Laminate
Solid Surface heights	58″, or 71″ to 96″; 59″ to 70″ not available
Door thickness	Slab: 1.25″ HPL and Wood Veneer; 0.75″ Compact Laminate; 1″ Solid Surface
Default floor clearance	12″ below 58″ doors; 9″ below 72″ and 84″ doors

HARDWARE

COMPONENT	SPECIFICATION
Overhead closer	Required on doors over 100 lb, except 58″ Solid Surface doors; needs a headrail or transom above the door
Solid Surface, 58″	Three surface-mount hinges; no closer
Solid Surface, 71″ to 96″	Continuous geared hinge and overhead closer; headrail or transom above the door

OPTIONS

OPTION	DETAIL
Standard patterns	Nine, already tooled and selected by name with no design file; shown on the Inlay chart
Custom artwork	DXF or DWG preferred; AI and JPEG accepted with a conversion fee based on complexity
Custom design limits	Minimum curve radius 0.25″; minimum inlay dimensions vary by material
Multi-component patterns	Across contiguous doors, panels, and pilasters; vertical inlays stay within each component

RELATED DOCUMENTS Compatible material and mounting style pages, the limited warranty, and the Spec Builder are linked from ironwood-mfg.com/products/door-styles/inlay/