



**Architectural
Wood Doors**

HERITAGE COLLECTION:STC

5P50H, 1P50H

ACOUSTIC CORE DOORS
45-MINUTE POSITIVE PRESSURE

KB40 45FR (STC 41) MULTI-PLY CONSTRUCTION

WOOD VENEER, HPDL, MDO, PAINT GRADE VENEER

THICKNESS	1-3/4" (± 1/16")
SIZE	Min. 2'-0" x 6'-0", Max. 3'-0" x 7'-0"
CORE	KB40 45FR Acoustic Core, 70% of door construction weight
VERTICAL EDGES (STILES)	Fire Composite with matching/compatible wood veneer, matching HPDL, or finish mill option (primed) edges
HORIZONTAL EDGES (TOP & BOTTOM RAILS)	Fire Composite - Sealed Top & Bottom Rails
FACES	Wood Veneer (A Grade Book & Running standard), HPDL, MDO, Paint Grade Veneer, some limitations may apply
CROSSBANDS	High Density Fiberboard (HDF), 20% of door construction weight, Pre-consumer recycled material
STANDARDS	Bevel: 1/8" in 2" or 3° Fire rated clearance per NFPA 80, Fire rating per UL 10C/NFPA252 Type 1 Polyvinyl Acetate (PVA) Adhesive
FINISH	Transparent; WDMA TR-8/AWS System 9 (UV Cured Acrylated Polyurethane) Primed; Wood accessories available primed; Additional field sanding and cleaning required prior to application of paint Laminate; Woodgrains, Solid Colors, and Patterns
HARDWARE/LITES	Butt Hinges, Electric Hinges, Cylindrical Locks, Mortise Locks, Rim and Surface Exit Devices, limitations may apply Pre-drilled hinge pilot holes Refer to Lite/Lock Cutout Margins Technical Bulletin Refer to VT Soundsource for lite approvals
ACOUSTICAL RATING	STC 41; ASTM 90 / ASTM E413 Tested in 18-guage, welded fully grouted steel frame Latching required to maintain STC rating Test Reports available
QUALITY STANDARDS	WDMA I.S. 1-A & AWS, Section 9 Quality Standards (Bonded Core) Custom Grade (standard) or Premium Grade (available)
WDMA PERFORMANCE LEVEL	Heavy Duty For Extra Heavy Duty, blocking for hardware is required
SUSTAINABILITY	CARB Phase 2 / TSCA VI Compliant GREENGUARD GOLD FSC® upon request, Environmental Product Declaration (EPD), Health Product Declaration (HPD) Consult VT for LEED documentation Refer to VT Sustainability page
WARRANTY	Limited Lifetime, Interior use only, reference VT Warranty

ACOUSTICAL CAPABILITIES

STC 41

FIRE RATING	45M
PAIRED OPENINGS	N/A
LITES	Available VT Soundsource
GASKET SYSTEMS	VT12 , VT2 , VT3
WEIGHT (PER SQ FOOT)	8.1lbs

VT INDUSTRIES RESERVES THE RIGHT TO CHANGE DESIGN AND/OR DETAILS OF ITS PRODUCTS WITHOUT NOTICE.



**CUSTOMER
SERVICE**

800.827.1615
info@vtindustries.com
vtindustries.com



© 2026 VT Industries, Inc. All rights reserved 09-2026