

Republic

Hurricane doors and frames

Certified protection from nature's strongest storms

Republic Hurricane certified doors and frames combine the strength of specially designed doors and frames with the trusted security of Allegion hardware. HUR(I) DL16 and DE14 Series Impact doors and ME/SE Series hurricane resistant frames are designed to stand up to nature's fiercest barrage of wind and water.

Republic Impact resistant assemblies are tough enough for all hurricane prone regions. With Florida Building Code HVHZ (High Velocity Hurricane Zone) approvals, HUR(I) DL door assemblies are approved in Miami/Dade, Broward and Coastal Palm Beach, as well as high wind speed / high risk category areas outside of Florida.

Additionally, Allegion supports customers with ordering tools, designed to simplify complex standard based ordering, allowing door hardware, approvals and anchor selection to be done quickly and efficiently.

For exterior openings outside of wind-borne debris regions where wind speeds are under 130 mph, standard Republic DP, DL and DE doors with ME/SE Series frames are approved and listed for non-impact / E330 labeled applications.



Features and benefits

Performance

- Assembly approved with Allegion hardware
- Approved in HVHZ regions, Missile levels D or E up to 170 PSF
- Tested to IBC, FBC and ASCE 7-10 protocols, including TAS 201 (Impact), TAS 202 (Static) and TAS 203 (Cyclic load)

Certifications

- Florida Building Code (FBC)
- Fire rated options up to 3 hours (UL/WHI)
- SDI Certified

Ordering

- OEO Overtur Estimate to Order tool provides and easy-to-use online pricing and a ready-to-use order form
- Microsoft Access COACH download tool steps customers through the assembly build and validates for FBC approvals and the Republic offering
- Approval and Anchor LOOKUP Tools simplify finding the correct product requirements
- Tools available for download at republicdoor.com > [hurricane](#)

Product offering range

A wide range of hurricane impact and wind resistant products are available. Available impact and pressure ratings vary with size and other features based on the your chosen combination of listed and approved doors, frames and Allegion hardware.

HUR(I) DL16 / DE14 impact doors

- Inward/outward design pressures up to 170 PSF
- Max opening 4'0" x 8'0" single and 8'0" x 8'0" pair
- Max exposed glass based on hardware 34.25" W x 74.5" H or 24" W x 64" H or 100" sq limit using std 3" W x 33" H, 4" W x 20" H, or 5" W x 20" H (70 max PSF trim)
- Max louver: Impact openings 35.78" W x 76.03" H

Non-impact E330 standard DP18, DL16/18, DE14/16/18

- Inward/outward design pressures up to 60 PSF
- Max opening 4'0" x 8'0" single and 8'0" x 8'0" pair
- Max exposed glass 34.25" W x 74.5" H

Impact and non-impact ME frames and SE sticks

- Max door opening 8'0" x 8'0" (KD or welded)
- JD 5.75" thru 14.75"
 - 2" face jambs, 2"/ 4" face head
- Elevations/borrowed lites/storefronts calculated (see listing)
 - Max exposed glass 54.75" W x 80.75" H or 34.75" W x 116.75" H
- Anchor quantity, type and locations vary per approval

Allegion assembly-approved latching hardware

- Schlage 3-point lock, cylindrical, cylindrical deadbolt, mortise
- Von Duprin 3-point latch, CVC exit, CVR exit, exit alarm, mortise exit, rim exit, SVR exit
- Ives SB360 surface bolt for inactive leaf

Ordering and support tools

1 OEO (Overtur Estimate to Order)
Use this web-based tool to enter, visualize and price your door or frame estimate before placing an online order.

2 COACH Wizard
Download MS Access to access a tool to walk you through and build your opening while validating for FBC approval and Republic offering. (Note this does not provide pricing.)

3 Approval LOOKUP
Download this Excel tool to search and filter by a number of hurricane door, frame and hardware characteristics to find your approval. an online order.

NOTE: Always verify your assembly opening is approved by checking the appropriate listing at the Florida Building Code website. Access tools through the Republic Hurricane Door web page.

The screenshot shows the Republic OEO tool interface. It includes a 'Validations' section with a checkmark indicating 'Everything looks good'. The main area is a 'Door Configuration' form with sections for 'Order Size' (Visible Glass Size, Cutout Size), 'Measurements' (Hinge, Lock, Top, Bottom), and 'Series' (HUR(I) - DL). There are also tabs for 'Approval Requirements', 'General Opening', 'Latching Hardware', 'Door', 'Frame', and 'Hinges'.

3 HURRICANE APPROVAL LOOKUP TOOL copyright 2019 v.8-27-2021 -- INSTRUCTIONS – This tool may 1) First clear filters under "Data > Sort & Filter". Moving left to right, identify your known criteria to filter 2) In order to allow filtering, this excel sheet is unprotected. It is recommended that you not re-save this 3) Refer to listing approvals and price book offerings for all requirements and available products. Please verify all information and details with approvals/install instructions before ordering and inst For Questions or to report errors, please contact Allegion Technical Product Support by email or phone.

HURRICANE RATING TYPE				DOOR DETAILS				DESIGN PRESSURE LIMITS		OPENING
FBC HVHZ	Impact Rating	Assem v Comp Hdw Approval	Water Infiltration	Swing	Door Config/Option (approval drawing)	(H) INWARD	(I) OUTWARD	(H) SINGLE OR DBL	(I) SINGLE OR DBL	D
Yes	D	Assembly	No	Outswing	1	100	100	D		
Yes	D	Assembly	No	Outswing	1	100	100	D		

DESIGN PRESSURE LIMITS	OPENING	OPENING SIZE LIMITS	GLASS SIZE LIMITS		LOUVER SIZE LIMITS		APPROVED DOORS				
(H) INWARD	(I) OUTWARD	SINGLE OR DBL	WIDTH	HEIGHT	(W) EXP GLASS	(H) EXP GLASS	(W) LOUVER	(H) LOUVER	Embossed Option	Temp Rise Pre Option	Republic Door Series
100	100	D	96	96	0	0	0	0	Yes	Yes	HUR(I) - DL / HUR(I) - DE
100	100	D	96	96	0	0	0	0	Yes	Yes	HUR(I) - DL / HUR(I) - DE

APPROVED HARDWARE					(note most listing differences for Republic)	
Hardware Fam Locks/Latches	Hardware Brand	Hdwr Model / Series	Inactive leaf / Latching	Hardware Comments	RDF FL#	RDF FBC Dwg#
Vert-mount Panic	Positive-Loc	THPA(H)-70			FL20736.1	PL 2016-DF
Vert-mount Panic	Positive-Loc	THPA(H)-80			FL20736.1	PL 2016-DF
Rim Exit	Positive-Loc	THPA(H)-30		Fixed hollow metal mull	FL20736.1	PL 2016-DF

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had \$2.7 billion in revenue in 2020, and its security products are sold around the world. For more, visit www.allegion.com



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