VERTICAL DESIGN
OPTIMAL ACOUSTICS

SKYFOLD®
dormakaba Group

4 + 14 = ENDLESS
LINES   PRODUCTS   POSSIBILITIES

Discover the Skyfold® family of products, vertically folding operable walls that unite design, performance, flexibility and acoustics. Lightweight, electric and easy to operate, all Skyfold systems are:

/ **Acoustic** walls that exceed industry standards
/ **Space** dividers that are self-retracting and made-to-measure
/ **Decorative** elements with distinctive, customizable design options

SKYFOLD®
CLASSIC™
SERIES

The Classic series was developed to meet the acoustic challenges of geometrically variable spaces, from the simple (offices, classrooms) to the complex (auditoriums with sloped or stepped floors).

Exceeding industry standards, the acoustic soundproofing indexes for Classic 51, 55 and 60 ensure privacy and confidentiality are respected from one space to another. The Classic NRC model also reduces ambient noise within meeting and conference rooms, increasing the user's comfort.

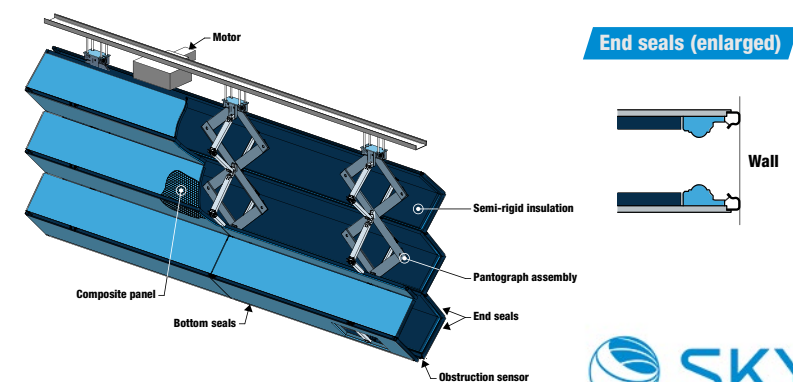## ACOUSTIC PERFORMANCE OF INSTALLED SYSTEMS

/ **Classic 51** _____ Exceptional soundproofing (STC 51 / RW 51)
/ **Classic 55** _____ Superior soundproofing (STC 55 / RW 54)
/ **Classic 60** _____ Maximum soundproofing (STC 60 / RW 59)
/ **Classic NRC** _____ Excellent sound absorption with a noise reduction coefficient (NRC/SAC) of up to 0.65 (STC 50 / RW 49)

CUSTOM DIMENSIONS

/ **Width:** _____ Unlimited
/ **Height:** _____ Up to 36 feet (11m)

FINISHES

Wood Veneer, Metal, Vinyl, Fabric, Plastic Laminate (Melamine), Painted, Mural, Marker Board Surface or create a custom design.
(Classic NRC is available in acoustically transparent fabric only)

Motor
End seals (enlarged)
Wall
Semi-rigid insulation
Pantograph assembly
Composite panel
End seals
Bottom seals
Obstruction sensor

SKYFOLD®
dormakaba Group

CEILING

FLOOR

SKYFOLD
ZENITH®
SERIES

Zenith combines the vertically folding elements found in the Classic series at the top portion of the wall with a slick straight down descent thereafter.

Ideal for areas that may have wall obstructions which could limit the use of a vertically folding wall.

ACOUSTIC PERFORMANCE OF INSTALLED SYSTEMS

/ **Zenith 48** _____ Excellent soundproofing (STC 48 / RW 47)
/ **Zenith 51** _____ Exceptional soundproofing (STC 51 / RW 51)
/ **Zenith 55** _____ Superior soundproofing (STC 55 / RW 54)
/ **Zenith 60** _____ Maximum soundproofing (STC 60 / RW 59)
/ **Zenith NRC** _____ Excellent sound absorption with noise reduction coefficient (NRC/SAC) of up to 0.65 (STC 50 / RW 49)
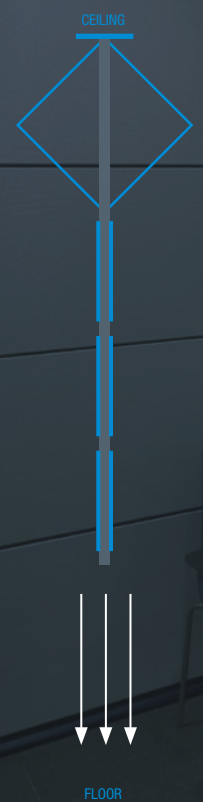
CUSTOM DIMENSIONS

/ **Width:** _____ Up to 48 feet (14.6m)
/ **Height:** _____ Up to 12 feet (3.6m)

FINISHES

Wood Veneer, Metal, Vinyl, Fabric, Plastic Laminate (Melamine), Painted, Mural, Marker Board Surface or create a custom design.
(Zenith 48 – Skyfold Standard Fabric, Vinyl and White Marker Board surface finishes only)
(Zenith NRC is available in acoustically transparent fabric only)

SKYFOLD®
dormakaba Group

CEILING

FLOOR

SKYFOLD
ZENITH®
PREMIUM
SERIES

Zenith Premium series enhances the Zenith experience with seamless ceiling integration.

ACOUSTIC PERFORMANCE OF INSTALLED SYSTEMS

/ **Zenith Premium 51** _____ Exceptional soundproofing (STC 51 / RW 51)
/ **Zenith Premium 55** _____ Superior soundproofing (STC 55 / RW 54)
/ **Zenith Premium 60** _____ Maximum soundproofing (STC 60 / RW 59)
/ **Zenith Premium NRC** _____ Excellent sound absorption with noise reduction
coefficient (NRC/SAC) of up to 0.65 (STC 50 / RW 49)

CUSTOM DIMENSIONS

/ **Width:** _____ Unlimited
/ **Height:** _____ Up to 14 feet (4.2m)

ADDITIONAL FEATURES

/ Pocket closure

/ Two LCD display touch screens with a multilingual interface

/ Faster deployment time (versus regular Zenith model)

FINISHES

Wood Veneer, Metal, Vinyl, Fabric, Plastic Laminate (Melamine),
Painted, Mural, Marker Board Surface or create a custom design.
(Zenith Premium NRC is available in acoustically transparent fabric only)

CEILING

FLOOR

SKYFOLD®
dormakaba Group

SKYFOLD
MIRAGE®

Mirage incorporates Skyfold technology in order to provide the user with the added luxury of transparency!

Clean lines, a lightweight structure into which a wide range of glass and plexiglass panels can be inserted, high efficiency acoustic seams, and ease of maintenance make Mirage the ideal solution for bright, sophisticated and welcoming spaces.

ACOUSTIC PERFORMANCE OF INSTALLED SYSTEM

/ Mirage _____ Single laminated glass (STC 33 / RW 33)

CUSTOM DIMENSIONS

/ Width: _____ Unlimited
/ Height: _____ Up to 24 feet (7.3m)

FINISHES

Glass available in a variety of finishes, including Plexiglass, Lexan©, Bullet-Proof Glass, Frosted Glass.
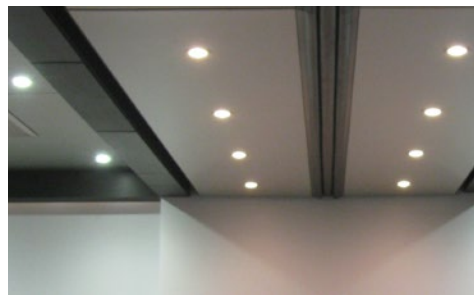
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AVAILABLE OPTIONS:

DIGITAL TOUCH SCREEN

/ 4.3" (110 mm) color screen
/ Multilingual interface
/ Available on all models

LED LIGHTING

/ Available on all models except for the Mirage glass model

10 GOOD REASONS TO CHOOSE SKYFOLD ®

01 **ACOUSTICALLY SUPERIOR:** All Skyfold walls offer soundproofing indexes above and beyond industry standards. In addition, the measurable acoustic qualities apply to the entire installed system, not just the panels!

02 **SIMPLE:** Electric systems that work with a keypad operation!

03 **SPACE:** Valuable floor space is no longer compromised as Skyfold walls retract neatly into the ceiling when not required.

04 **DESIGN:** Create a unique look with a wide selection of materials and finishes that can be mixed and matched, with no visible mechanisms, floor or wall tracks.

05 **ECONOMICAL:** Requires little manpower and minimal maintenance.

06 **FAST:** Skyfold lets you reconfigure a space in mere minutes.

07 **QUIET:** Silent operation – create a banquet hall without disturbing the conference going on right next door!

08 **LIGHTWEIGHT:** Thanks to an ingenious structural design using less steel, Skyfold operable walls are lighter than most traditional systems.

09 **FLEXIBILITY:** Customized for your space, our systems adapt to all types of environments, whether large or small, simple or complex (sloped gymnasiums, stepped-floor auditoriums, stairs, etc.).

10 **RELIABILITY:** Skyfold walls are durable and built to ensure many years of dependable operation. We stand behind our products by offering an industry leading 10 year warranty!
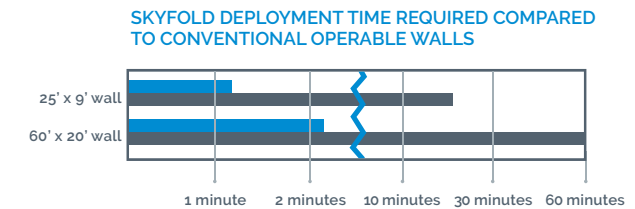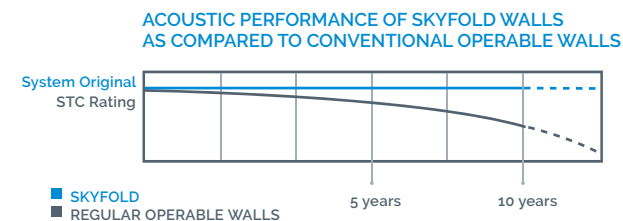
SKYFOLD PRODUCT LINE COMPARISON SUMMARY

	SKYFOLD CLASSIC SERIES				SKYFOLD ZENITH SERIES					SKYFOLD ZENITH PREMIUM SERIES				SKYFOLD MIRAGE
	Model 51	Model 55	Model 60	Model NRC	Model 48	Model 51	Model 55	Model 60	Model NRC	Model 51	Model 55	Model 60	Model NRC	Glass Model
TECHNICAL (IMPERIAL)														
STC (System)	51	55	60	50	48	51	55	60	50	51	55	60	50	33
STC (Panel)	61	61	66	60	57	61	61	66	60	61	61	66	60	36[5]
NRC (System)	-	-	-	Up to 0.65	-	-	-	-	Up to 0.65	-	-	-	Up to 0.65	-
Max Height (ft.)	36	36	28	36	12	12	12	12	12	14	14	14	14	24
Max Length (ft.)	Unlimited	Unlimited	Unlimited	Unlimited	48	48	48	48	48	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Weight (lbs/sq.ft.)	7	7.6	9.4	7.5	6	6.2	6.8	8.6	6.5	6.2	6.8	8.6	6.5	7.5
Available Finishes	Various[1]	Various[1]	Various[1]	Fabric only[4]	Limited [3]	Various[1]	Various[1]	Various[1]	Fabric only[4]	Various[1]	Various[1]	Various[1]	Fabric only[4]	Various[2]
Ceiling space required for storage (ft.) - (approx.)	2'-0" to 6'- 4"	2'-0" to 6'- 4"	2'-0" to 5'-0"	2'-0" to 6'-4"	2'-0" to 2'-8.25"	2'-0" to 2'-8.25"	2'-0" to 2'-8.25"	2'-0" to 2'-8.25"	2'-0" to 2'-8.25"	2'-0" to 2'-10"	2'-0" to 2'-10"	2'-0" to 2'-10"	2'-0" to 2'-10"	3'-2" to 4'-9"
Pocket Width (ft.) - (approx.)	55" to 69"	55" to 69"	55" to 69"	55" to 69"	55" to 63.5"	55" to 63.5"	55" to 63.5"	55" to 63.5"	55" to 63.5"	56.25" to 70"	56.25" to 70"	56.25" to 70"	56.25" to 70"	44" to 61"
TECHNICAL (METRIC)														
RW (System)	51	54	59	49	47	51	54	59	49	51	54	59	49	33
RW (Panel)	60	60	64	58	55	60	60	64	58	60	60	64	58	36[5]
SAC (System)	-	-	-	Up to 0.65	-	-	-	-	Up to 0.65	-	-	-	Up to 0.65	-
Max Height (mm)	11,000	11,000	8,535	11,000	3,660	3,660	3,660	3,660	3,660	4,265	4,265	4,265	4,265	7,315
Max Length (mm)	Unlimited	Unlimited	Unlimited	Unlimited	14,600	14,600	14,600	14,600	14,600	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Weight (kg/m²)	34.2	37.1	46	36.6	29.3	30.4	33.3	42	32.8	30.4	33.3	42	32.8	36.6
Available Finishes	Various[1]	Various[1]	Various[1]	Fabric only[4]	Limited [3]	Various[1]	Various[1]	Various[1]	Fabric only[4]	Various[1]	Various[1]	Various[1]	Fabric only[4]	Various[2]
Ceiling space required for storage (mm) - (approx.)	615 to 1,960	615 to 1,960	615 to 1,530	615 to 1,960	615 to 820	615 to 820	615 to 820	615 to 820	615 to 820	615 to 865	615 to 865	615 to 865	615 to 865	965 to 1,450
Pocket Width (mm) - (approx.)	1,400 to 1,750	1,400 to 1,750	1,400 to 1,750	1,400 to 1,750	1,400 to 1,615	1,400 to 1,615	1,400 to 1,615	1,400 to 1,615	1,400 to 1,615	1,430 to 1,780	1,430 to 1,780	1,430 to 1,780	1,430 to 1,780	1,105 to 1,550
ADDITIONAL FEATURES														
Auto-reverse	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Floor track	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Wall tracks	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
Obstruction Safety Sensor	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
Infrared Sensor	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
Back-Up Operation	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Pocket Closure	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	N
AVAILABLE OPTIONS														
10-year parts warranty	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Digital Touch Screen	Y	Y	Y	Y	Y	Y	Y	Y	Y	Included	Included	Included	Included	Y
LED Lighting	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N

Please note that certain figures listed above were approximated for comparison purposes only.

For specific and complete technical information, REVIT Drawings and drawing details, please visit our website.

[1] Finishes must not exceed 1/8" thick (3mm) or weigh more than 0.11 lbs/sq.ft. (0.54 kg./m²)

[2] Please refer to the technical section of our website for available finishes

[3] Available finishes include standard vinyl/fabric or white marker board surface finish

[4] Available in acoustically transparent fabric only

[5] Single laminated glass

ACOUSTIC PERFORMANCE OF SKYFOLD WALLS AS COMPARED TO CONVENTIONAL OPERABLE WALLS

System Original STC Rating

SKYFOLD
REGULAR OPERABLE WALLS

5 years   10 years

SKYFOLD DEPLOYMENT TIME REQUIRED COMPARED TO CONVENTIONAL OPERABLE WALLS

25' x 9' wall
60' x 20' wall

1 minute   2 minutes   10 minutes   30 minutes   60 minutes

SKYFOLD PRODUCT LINE
COMPARISON SUMMARY

SKYFOLD'S EXCLUSIVE LINE OF VERTICALLY FOLDING OPERABLE WALL SYSTEMS PROVIDE A UNIQUE WAY TO SUBDIVIDE SPACE. OUR CUSTOM BUILT SYSTEMS ARE COMPLETELY AUTOMATIC AND RETRACT INTO A CEILING CAVITY WITH A SIMPLE KEYPAD OPERATION.

/ CLASSIC SERIES
State-of-the-art acoustics for privacy and soundproofing

/ ZENITH SERIES
Cutting-edge, innovative vertical wall technology

/ ZENITH PREMIUM SERIES
Enhances the Zenith experience!

/ MIRAGE
Brings in the light with your choice of transparent panels

Skyfold is pleased to be an official member of the U.S. Green Building Council. The Green Council is committed to promoting better designed buildings that are not only more environmentally and socially responsible, but also help improve the quality of life for those who occupy them and the communities in which they are built. The Council has developed a benchmarking system known as LEED (Leadership in Energy & Environmental Design). When it comes to recycled materials, architects and owners who choose a Skyfold vertically folding operable wall system can calculate the following toward LEED accreditation on their projects.

In order to continue protecting our environment, it is essential that we all do our part by using recycled materials whenever possible. Skyfold is proud to help.

Recycled materials	Up to 97%
Post-consumer	Up to 27%
Pre-consumer	Up to 51%

SKYFOLD® LIMITED WARRANTY
WORKMANSHIP: Parts & labour - 2 years or 5,000 cycles*
Optional extended warranty on parts available - 10 years or 5,000 cycles*
Acoustical Performance - 10 years
*First occurrence from date of shipment.
Digital touch screen excluded from extended warranty.

SKYFOLD®, SKYFOLD® Classic™, SKYFOLD Zenith® and SKYFOLD Mirage® are registered trademarks of Skyfold Inc. and Skyfold Investments Ltd.

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