

ROCKWOOL Acoustic Wall Assemblies Catalog



This Acoustics Wall Assemblies Catalog provides a comprehensive list of wall assemblies tested for their acoustic performance. This includes both STC and OITC ratings for steel and wood stud walls, considering both interior and exterior assemblies.

Using this guide:

All assemblies include component descriptions, STC, OITC, and R-values (if available). In addition, each assembly references a ROCKWOOL test number, as well as the ROCKWOOL products included in the tested assembly.



Insulation Included: ROCKWOOL AFB

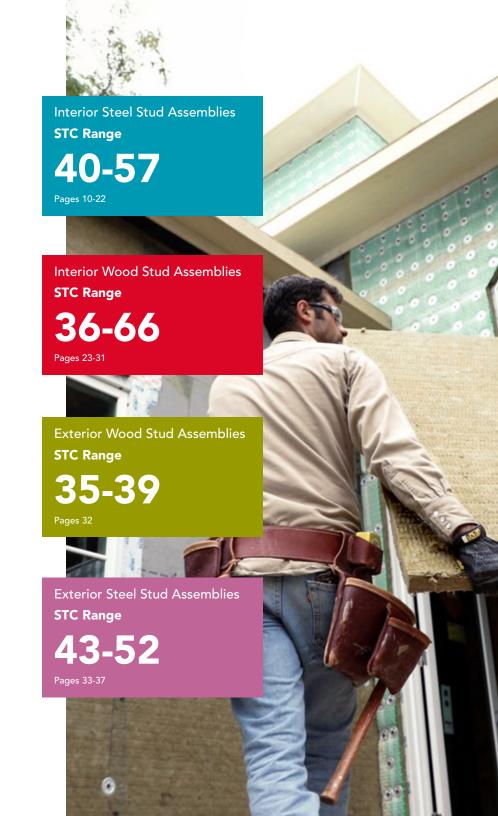
Acoustics				Assembly Number: ISS-00			
STC:	43	OITC:	28	Report No.	J2247-13-303-11-R0		
Assembly Components							
Finish r	al 5/8"	5/8" Gypsum					
Size		2 1/2	2 1/2" Steel Stud				
Spacing		16"	16" oc				
Product		AFB	AFB				
Thickness 1.5"							



Have questions about rated assemblies?

Contact ROCKWOOL Technical services for more information on a particular assembly including Transmission Loss Curve data and other documentation.

Talk to us at **1-877-823-9790**, or by email at **techservice@rockwool.com**



AFB[®]

Acoustical Fire Batt Insulation

ROCKWOOL AFB® is a stone wool batt insulation for interior partitions in commercial constructions where superior fire resistance and acoustical performance are required. AFB is specifically designed to reduce sound transmission and provides exceptional acoustic comfort when installed in a wall assembly with gypsum boards and resilient channels.

- Excellent noise reduction and sound absorption to help you create quieter, more productive environments.
- Non-combustible and fire resistant, stone wool works to contain a fire and prevent its spread.
- Is available in thicknesses ranging from 1"-6" in order to fit in a variety of stud sizes
- AFB evo is also available as a no added formaldehyde product offering in order to meet the specific design standards

Visit rockwool.com/products/afb for more information



Safe'n'Sound®

Residential Fire and Soundproofing Insulation

ROCKWOOL Safe'n'Sound® is a stone wool batt insulation for interior partitions of wood and steel frame residential construction where superior fire resistance and acoustical performance is required. Safe'n'Sound has excellent acoustical dampening properties and provides an easy friction fit into walls, ceiling and floor applications. It is GREENGUARD Gold Certified and contributes to a healthier indoor environment.

- Excellent noise reduction and sound absorption to help you create quieter, more productive environments.
- Non-combustible and fire resistant, stone wool works to contain a fire and prevent its spread.
- Is available in thicknesses for wall, floor/ceiling and I-Joist applications to meet every design need
- Lightweight and easy to install

Visit rockwool.com/products/safensound for more information



Comfortbatt®

Thermal Batt Insulation

ROCKWOOL Comfortbatt* is a semi-rigid stone wool thermal batt insulation for exterior wood and steel stud applications. It features a unique flexible edge that allows for easy installation and helps prevent over compression to maintain its R-value.

- Excellent thermal performance providing a high R-value per inch
- Non-combustible and fire resistant, stone wool works to contain a fire and prevent its spread.
- Excellent noise reduction and sound absorption to help you create quieter, more productive environments.
- Water resistant, stone wool does not rot or promote the growth of mildew, fungi or mold
- Lightweight and easy to install

Visit rockwool.com/products/comfortbatt for more information



ROXUL Safe® 45

Residential Party Wall Insulation

ROXUL Safe® 45 is a semi-rigid stone wool insulation board that is specifically engineered as a fire-blocking material for concealed spaces of multi-unit residential buildings. Using ROXUL Safe® 45 with our ROCKWOOL batt insulation creates a high-density "party" wall system that improves sound dampening and fire performance.

- Reduces the time, labor and material costs usually associated with adding a double layer of gypsum over the wall studs.
- ROXUL Safe® 45 complies with the fire-blocking National Building Code
- Is easy to install, and offers excellent water and moisture resistance

Visit rockwool.com/north-america/products/roxul-safe-45 for more information



Comfortboard® 80

Exterior Wall Insulation: Thermal Insulated Sheathing

ROCKWOOL Comfortboard® 80 is a rigid stone wool board designed for continuous insulation applications. A non-structural sheathing product, Comfortboard 80 provides increased thermal performance to the building envelope. Vapor permeable, Comfortboard 80 has the added benefit of allowing fast outward drying. The insulation also reduces thermal loss resulting in improved long-term thermal performance.

- Fire resistant stone wool can withstand temperatures of approximately 2,150°F (1177°C).
- Vapor permeable enabling wall systems to have superior drying potential, minimizing the risk of condensation and water accumulation.
- Reduces thermal bridging through wood framing, leading to a higher-performing building envelope.
- excellent noise reduction and sound absorption to help you create quieter, more productive environments.

Visit rockwool.com/products/Comfortboard-80 for more information



Cavityrock®

Exterior Wall Insulation: Rainscreens and Cavity Walls

ROCKWOOL Cavityrock® is a semi-rigid stone wool insulation board designed for exterior cavity wall and rainscreen applications. Compatible with numerous cladding attachment systems, Cavityrock is non-combustible and available with a black mat finish.

- Non-combustible and fire resistant, stone wool works to contain a fire and prevent its spread.
- Water resistant and allows for effective drainage from an exterior wall assembly.
- Available black mat finish provides masking for improved openjoint cladding system aesthetics.
- Compatible with a variety of cladding systems including Z-girts, masonry ties, and fiberglass and stainless steel clips.
- Durable inorganic material that does not rot or promote the growth of mildew, fungi or bacteria
- Vapor permeable enabling wall systems to have superior drying potential, minimizing the risk of condensation and water accumulation.

Visit rockwool.com/products/cavityrock for more information



This section will outline interior assemblies using steel studs in various thicknesses, spacings, finishes, and any additional components. Assemblies will be organized by STC value ranging from an STC of 40 to an STC of 57.



Acoustics				Ass	sembly Number: ISS-01		
STC:	40	OITC:	27	Report No.	J2247-13-303-11-R0		
Asseml	Assembly Components						
Finish r	Finish material		1/2" Gypsum				
Size	Size		3 5/8" Steel Stud				
Spacing	Spacing		16" oc				
Product		AFB	AFB				
Thickness		3"	3"				
Thickne	3"						



Acoustics				sembly Number: ISS-02		
43	OITC:	28	Report No.	NWTL140828-03		
Assembly Components						
Finish material		5/8" Gypsum				
Size		3 5/8" Steel Stud				
Spacing		16" oc				
Product		AFB				
Thickness 3.5"						
	43 oly Conaterio	43 OITC: oly Component naterial 5/8" 3 5/8 16" AFB	43 OITC: 28 oly Components naterial 5/8" Gyps 3 5/8" Ste 16" oc AFB	43 OITC: 28 Report No. Soly Components That a strict of the strict of		

STC 43	200
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Insulation	Included:
ROCKWO	OL AFB

Acoust	ics			As	sembly Number: ISS-03		
STC:	43	OITC:	28	Report No.	J2247-14-303-11-R0		
Assem	Assembly Components						
Finish r	Finish material 5/8			5/8" Gypsum			
Size	2 1/2" 5		2" Ste	el Stud			
Spacing	Spacing 16" oc		эс				
Produc	Product AFB		AFB				
Thickness 1.5"							



Acoustics				Ass	embly Number: ISS-04		
STC:	43	OITC:	27	Report No.	J2247-06-303-11-R0		
Assembly Components							
Finish material 1/		al 1/2"	1/2" Gypsum				
Size	e 6" S		6" Steel Stud				
Spacing 16'		16"	16" oc				
Product AFB		AFB					
Thickness 3"							



Acoustics		Assembly Number: ISS-05
STC: 44	Report No.	RAL-TL90-197
Assembly Co	mponents	
Finish materia	ıl 1/2" Gyp	osum
Size	2 1/2" St	eel Stud
Spacing	24" oc	
Product	AFB	
Thickness	1"	



Acousti	cs		Assembly Number: ISS-06		
STC:	44	Report No.	RAL-TL96-285		
Assemb	Assembly Components				
Finish m	ateri	al 1/2" gyp	sum		
Size		2 1/2" St	eel Stud		
Spacing		24" oc			
Product		AFB			
Thickne	SS	2.5"			



Acoustics				Ass	sembly Number: ISS-07	
STC:	45	OITC:	29	Report No.	J2247-11-303-11-R0	
Asseml	Assembly Components					
Finish r	al 5/8"	5/8" gypsum				
Size	Size 3.5		3 5/8" Steel Stud			
Spacing	Spacing 16" o		ос			
Product		AFB	AFB			
Thickne	Thickness 3"					



Acoust	ics			Ass	embly Number: ISS-08		
STC:	45	OITC:	29	Report No.	NWTL140829-01		
Assem	Assembly Components						
Finish r	Finish material		5/8" gypsum				
Size		3 5/8	3 5/8" Steel Stud				
Spacing	Spacing		16" oc				
Product		AFB	AFB				
Thickness		3.5"	3.5"				
Resilient Channels		RC E	RC Deluxe, 16" OC				



Acoustics		Assembly Number: ISS-09			
STC: 45 F	Report No.	RAL-TL03-303			
Assembly Com	Assembly Components				
Finish material	5/8" gyp	sum			
Size	2 1/2" St	eel Stud			
Spacing	24" oc				
Product AFB					
Thickness	1.5"				
Penetrations Electrical		Boxes Included			



Acoust	ics		Assembly Number: ISS-10				
STC:	45	Report No.	RAL-TL90-192				
Assembly Components							
Finish r	Finish material		1/2" Gypsum				
Size	Size		2 1/2" Steel Stud				
Spacing	Spacing		24" oc				
Product		AFB	AFB				
Thickness		1.5"	1.5"				



Acoustic			Assembly Number: ISS-11		
STC:	46 I	Report No.	RAL-TL90-195		
Assembl	y Com	ponents			
Finish ma	aterial	1/2" gyps	sum		
Size	Size		3 5/8" Steel Stud		
Spacing	Spacing		24" oc		
Product		AFB			
Thicknes	is	1.5"			
Thicknes	iS	1.5"			



Acoust	ics		Assembly Number: ISS-12			
STC:	46	Report No.	RAL-TL02-212			
Assemb	Assembly Components					
Finish n	Finish material		5/8" gypsum			
Size	Size		2 1/2" Steel Stud			
Spacing	Spacing		24" oc			
Produc	Product		AFB			
Thickne	ess	1.5"				

Insulation Included: ROCKWOOL AFB



Acoust	ics		Assembly Number: ISS-13			
STC:	46	Report No.	RAL-TL96-270			
Assem	Assembly Components					
Finish r	Finish material		5/8" gypsum			
Size	Size		2 1/2" Steel Stud			
Spacing	Spacing					
Product		AFB	AFB			
Thickne	ess	2.5"				



Acoustics					Ass	embly Number: ISS-14		
STC:	47	0	ITC:	29	Report No.	J2247-12-303-11-R0		
Assem	Assembly Components							
Finish i	Finish material		1/2" gypsum					
Size	Size		3 5/8" Steel Stud					
Spacin	Spacing		16" oc					
Product		AFB						
Thickness		3"						
Resilient Channels		RC Deluxe, 16" OC						



Acoustics		Assembly Number: ISS-15
STC: 47	Report No.	RAL-TL03-306
Assembly Con	nponents	
Finish material	5/8" gyps	sum
Size	3 5/8" Ste	eel Stud
Spacing	24" oc	
Product	AFB	
Thickness	3"	
Penetrations	Electrical	Boxes Included



Acoust	ics		Assembly Number: ISS-16				
STC:	47	OITC:	29	Report No.	J2247-05-303-11-R0		
Assembly Components							
Finish material		al 1/2"	1/2" Gypsum				
Size		6" S	6" Steel Stud				
Spacing		16"	16" oc				
Product		AFB	AFB				
Thickne	Thickness 6'		6"				



Acoustics				Asse	mbly Number: ISS-17		
STC:	49	OITC	30	Report No.	NWTL140827-04		
Assembly Components							
Finish r	Finish material		5/8" gypsum				
Size	Size		3 5/8" Steel Stud				
Spacing	Spacing		24" oc				
Product		AFE	AFB				
Thickne	ess	3.5	"				

STC 49	
1	

Acoustic	CS			Assen	nbly Number: ISS-18	
STC:	49	OITC	32	Report No.	NWTL140828-02	
Assemb	ly Co	mponent	s			
Finish m	ateria	al 5/8"	gypsun	n		
Size	Size		3 5/8" Steel Stud			
Spacing	Spacing		24" oc			
Product		Com	Comfortboard 80 (outboard, single side)			
Thicknes	SS	3"				

Insulation Included: ROCKWOOL Comfortboard 80 (outboard, single side)



Acoust	ics			Assembly Number: ISS-19			
STC:	50	OITC:	30	Report No.	F0256.01B		
Assembly Components							
Finish r	al 5/8"	5/8" gypsum					
Size	Size		3 5/8" Steel Stud				
Spacing		24"	24" oc				
Product		AFB	AFB				
Thickne	hickness 3.5"						



Insulation Included:
ROCKWOOL 4 pcf mineral
wool board insulation

Acoust	ics			Assembly Number: ISS-20				
STC:	50	OITC:	31	Report No.	NWTL141118-04			
Assembly Components								
Finish r	materi	al 5/8"	gyps	um				
Size	Size 3			3 5/8" Steel Stud				
Spacin	Spacing		24" oc					
Produc		Minimum 4 pcf mineral wool board insulation (outboard, single side)						
Thickness 3"								

Assembly Number: ISS-21



STC:	50	OITC	34	Report No.	J2247-04-303-11-R0			
Assemb	ly Co	mponen	ts					
Finish m	nateri	al 5/8"	gypsı	ım				
Size		6" S	6" Steel Stud					
Spacing		16"	16" oc					
Product		AFB	AFB					
Thickness		3"	3"					

Acoustics



Acoust	ics		Assembly Number: ISS-22			
STC:	50	Report No.	RAL-TL90-186			
Assem	bly Co	mponents				
Finish r	Finish material		1/2" gypsum, 2x 1/2" gypsum on single side			
Size	Size		2 1/2" Steel Stud			
Spacing	Spacing		24" oc			
Product		AFB				
Thickne	ess	1.5"	1.5"			



Acoustics		Assembly Number: ISS-23
STC: 51 I	Report No.	RAL-TL96-269
Assembly Com	ponents	
Finish material	1/2" gyp:	sum
Size	3 5/8" St	eel Stud
Spacing	24" oc	
Product	AFB	
Thickness	3″	



Acousti	ics			Asser	nbly Number: ISS-24			
STC:	51	OITC	31	Report No.	NWTL141119-01			
Assembly Components								
Finish n	nateri	al 5/8"	5/8" gypsum					
Size	Size		3 5/8" Steel Stud					
Spacing	Spacing 24" oc							
Product		AFB	AFB					
Thickne	ess	3"	3"					



Acoustics Assembly Number: ISS-25							
STC:	52	OITC:	35	Report No.	J2247-03-303-11-R0		
Assembly Components							
Finish material 5/8" gypsum							
Size		6" S	teel S	tud			
Spacing	g	16"	эс				
Produc	ct AFB						
Thickne	Thickness 6"			,			



Acoust	ics			Assembly Number: ISS-26	
STC:	53	Repor	t No.	RAL-TL96-288	
Asseml	bly Co	mpone	ents		
Finish r	nateri	al 1/2	2" gyps	sum	
Size		3 5	5/8" Ste	teel Stud	
Spacing	Spacing		24" oc		
Produc	t	AF	В		
Thickne	ess	3"			
	Resilient Channels		Metal, 24" OC		



Acousti	cs				Asse	embly Number: ISS-27	
STC:	53	OIT	C	34	Report No.	J2247.10-303-11-R0	
Assembly Components							
Finish m	nateri	al 5	5/8" gypsum				
Size	Size		3 5/8" Steel Stud				
Spacing	1	1	16" oc				
Product	Product		AFB				
Thickness		3	3"				
Resilient Channels		F	RC Deluxe, 16" OC				



Acoust	ics			Assembly Number: ISS-28			
STC:	53	Rep	ort No.	RAL-TL90-185			
Asseml	bly Co	mpoi	nents				
Finish material			2x 1/2" gypsum				
Size		2	2 1/2" Steel Stud				
Spacing		2	24" oc				
Product		A	AFB				
Thickness			1.5"				

STC 54	985
	1

Insulation Included: ROCKWOOL AFB	

Acoust	ics	mbly Number: ISS-29						
STC:	54	OITC	37	Report No.	J2247.08-303-11-R0			
Assembly Components								
Finish material 5/			5/8" gypsum					
Size		6" S	6" Steel Stud					
Spacing	g	24"	24" oc					
Produc	t:	AFB	AFB					
Thickne	ess	3"	3"					
Resilier Channe		RC E	RC Deluxe, 16" OC					



Acousti	Acoustics				Assei	mbly Number: ISS-30
STC:	54	0	ITC	35	Report No.	J2247.02-303-11-R0
Assembly Components						
Finish material 5/8" g			gypsur	n		
Size	6" Ste		teel Stu	d		
Spacing	pacing 16" o		ос			
Product	Product AFB					
Thickness 3"		3"				
Resilient Channels		RC E	Deluxe,	16" OC		



Acoustic	cs		Assembly Number: ISS-31		
STC:	55	Report No.	RAL-TL96-289		
Assemb	Assembly Components				
Finish m	Finish material 5/8" gyp		osum		
Size		3 5/8" S	teel Stud		
Spacing		24" oc			
Product		AFB			
Thicknes	SS	3"			
Resilient Metal,		Metal, 2	4" OC		



Acoustics				Ass	sembly Number: ISS-32			
STC:	55	OITC:	35	Report No.	NWTL140827-03			
Assembly Components								
Finish r	Finish material			5/8" gypsum, 2x 5/8" gypsum on single side				
Size	iize 3		3 5/8" Steel Stud					
Spacing	Spacing		24" oc					
Produc	Product A		AFB					
Thickne	ess	3.5"						



Acoustic	cs		Assembly Number: ISS-33			
STC:	55	Report No.	RAL-TL02-296			
Assemb	Assembly Components					
Finish m	Finish material		5/8" gypsum			
Size		6" Steel S	Stud			
Spacing		24" oc				
Product		AFB				
Thicknes	SS	6"				



Insulation Included: ROCKWOOL AFB

Acoust	ics		Assembly Number: ISS-34		
STC:	56	Report No.	RAL-TL96-264		
Assembly Components					
Finish material		al 5/8" gyp	5/8" gypsum, 2x 5/8" gypsum on single side		
Size 3 5/8"			eel Stud		
Spacing 24" o		24" oc			
Product AFB					
Thickness 3.5"					



Acoust	ics		Assembly Number: ISS-35		
STC:	56	Report No.	RAL-TL90-196		
Assem	Assembly Components				
Finish r	nateri	al 2x 1/2" g	gypsum		
Size		3 5/8" St	eel Stud		
Spacing	9	24" oc			
Produc	t	AFB			
Thickne	ess	1.5"			



Acoust	ics			Asser	nbly Number: ISS-36			
STC:	56	OITC	39	Report No.	J2247.07-303- 11-R0			
Assem	Assembly Components							
Finish r	Finish material		5/8" gypsum					
Size	6" Si		6" Steel Stud					
Spacing	Spacing 24		24" oc					
Produc	Product		AFB					
Thickness		6"	6"					
Resilient Channels		RC [RC Deluxe, 16" OC					



Acoustic	cs			Ass	sembly Number: ISS-37		
STC:	56	OITC:	39	Report No.	J2247.01-303-11-R0		
Assembly Components							
Finish m	Finish material		5/8" gypsum				
Size	Size		6" Steel Stud				
Spacing	Spacing		16" oc				
Product	Product		AFB				
Thickness		6"	6"				
Resilient Channels		RC	RC Deluxe, 16" OC				



Acoust	ics		Assembly Number: ISS-38				
STC:	56	Report No.	RAL-TL90-193				
Assem	Assembly Components						
Finish r	materi	al 2x 5/8" g	2x 5/8" gypsum				
Size		2 1/2" St	eel Stud				
Spacing	Spacing 24" oc						
Produc	t	AFB					
Thickne	ess	1.5"					



Acoust	ics		Assembly Number: ISS-39		
STC:	57	Report No.	RAL-TL96-268		
Assemb	Assembly Components				
Finish n	nateri	al 2x 5/8" g	5/8" gypsum		
Size		3 5/8" St	eel Stud		
Spacing	9	24" oc			
Produc	t	AFB			
Thickne	ess	3"			

This section will outline interior assemblies using wood studs in various thicknesses, spacings, finishes, and any additional components. Assemblies will be organized by STC value ranging from an STC of 36 to an STC of 66.



Insulation Included: ROCKWOOL Safe'n'Sound/AFB

Acoustics	Acoustics			Ass	embly Number: IWS-15		
STC: 3	86	OITC:	27	Report No.	TL21-355		
Assembly Components							
Finish ma	Finish material		5/8" type X gypsum				
Size	Size 2		2x6 Wood Stud				
Spacing		16"	16" oc				
Product	Product Safe		Safe'n'Sound/AFB				
Thickness	Thickness 3"		3"				
Wall Configuration		Sing	Single Stud				



Insulation Included: ROCKWOOL Comfortbatt

Acoustic	cs		Assembly Number: IWS-01		
STC:	37	Report No.	NGC 2011011		
Assemb	Assembly Components				
Finish material 5/8" t		al 5/8" type	e X gypsum		
Size	2 x 4 Wo		od Stud		
Spacing		16" oc			
Product	Product Comfortb		patt		
Thicknes	SS	3.5"			
Wall Configu	Wall Configuration Single Stu		ud		



Insulation Included: ROCKWOOL Safe'n'Sound/AFB

Acoust	ics			Assei	mbly Number: IWS-16		
STC:	38	OITC:	28	Report No.	TL21-356		
Asseml	Assembly Components						
Finish r	nateri	al 5/8"	5/8" Type X gypsum				
Size		2 x 6	2 x 6 Wood Stud				
Spacing	9	16" c	16" oc				
Produc	t	Safe'r	Safe'n'Sound/AFB				
Thickne	ess	5.5"	5.5"				
Wall Configi	uratio	Single	Single Stud				



Acoust	ics		Assembly Number: IWS-02			
STC:	38	Report No.	RAL-TL96-265			
Assem	bly Co	omponents				
Finish r	nateri	al 5/8" gyp	5/8" gypsum			
Size		2 x 4 Wo	2 x 4 Wood Stud			
Spacing	g	16" oc	16" oc			
Produc	t	AFB	AFB			
Thickne	ess	3"	3"			
Wall Config	uratio	n Single S	tud			



Acoust	ics		Assembly Number: IWS-03				
STC:	38	Report No.	RAL-TL96-266				
Assem	bly Co	mponents					
Finish r	materi	al 1/2" gyp	1/2" gypsum				
Size		2 x 4 Wo	2 x 4 Wood Stud				
Spacing	g	16" oc	16" oc				
Produc	t	AFB	AFB				
Thickne	ess	3"	3"				
Wall Config	uratio	Single St	Single Stud				



Acoust	ics			Ass	embly Number: IWS-04			
STC:	40	OITC:	32	Report No.				
Assembly Components								
Finish r	al 2 x 5	2 x 5/8" gypsum						
Size		2 x 4	2 x 4 Wood Stud					
Spacing	Spacing			16" oc				
Produc	Product			AFB				
Thickne	3"	3"						
Wall Config	n Sing	Single Stud						



Insulation	Included:
ROCKWOO	OL Comfortbatt

Acoustics		Assembly Number: IWS-05		
STC: 40	Report No.	NGC 2011013		
Assembly Cor	nponents			
Finish materia	1/2" gyp	sum		
Size	2 x 4 Wo	2 x 4 Wood Stud		
Spacing	16" oc	16" oc		
Product	Comfort	Comfortbatt		
Thickness	3.5"	3.5"		
Wall Configuration	Single St	ud		



Acoust	ics		Assembly Number: IWS-06			
STC:	45	Report No.	RAL-TL02-300			
Assemb	oly Co	mponents				
Finish r	nateri	al 5/8" gyp	5/8" gypsum			
Size		2 x 6 Wo	2 x 6 Wood Stud			
Spacing	9	24″ ос	24" oc			
Produc	Product		AFB			
Thickness		5.5"	5.5"			
Wall Configu	uratio	Single St	ud			



Acoust	ics			Asse	embly Number: IWS-07		
STC:	47	OITC:	33	Report No.	K2356.06-303-11-R0		
Assembly Components							
Finish r	al 5/8"	5/8" gypsum					
Size	Size		2 x 4 Wood Stud				
Spacing	Spacing		16" oc				
Produc	Product		AFB				
Thickness		3"	3"				
Resilient Channels		RC E	RC Deluxe, 16" oc, Single Stud				



Insulation Included: ROCKWOOL Safe'n'Sound/AFB

Acoustics			Ass	embly Number: IWS-17		
STC: 48 C	ITC:	31	Report No.	TL21-358		
Assembly Components						
Finish material	2x 5	/8" Ty	pe X gypsum			
Size	2 x 6	2 x 6 Wood Stud				
Spacing	24"	24" oc				
Product	Safe'n'Sound/AFB					
Thickness	3"					
Wall Configuration	Sing	Single Stud				



Insulation Included:ROCKWOOL
Safe'n'Sound/AFB

Acoustics				Asse	embly Number: IWS-18			
STC:	48	OITC:	32	Report No.	TL21-359			
Assembly Components								
Finish r	Finish material			2x 5/8" Type X gypsum				
Size	Size		2 x 6 Wood Stud					
Spacing	Spacing			24" oc				
Produc	Product		Safe'n'Sound/AFB					
Thickness		5.5	5.5"					
Wall Config	n Sin	gle Stu	ıd					



ROCKWOOL Comfortbatt

Acoust	ics		Assembly Number: IWS-08			
STC:	49	Report No.	NGC 2011015			
Asseml	bly Co	omponents				
Finish r	materi	al 1/2" gyp	1/2" gypsum			
Size		2 x 4 Wo	2 x 4 Wood Stud			
Spacing	g	24" oc	24" oc			
Produc	t	Comfort	Comfortbatt			
Thickne	ess	2.5" per	2.5" per row			
Wall Configi	uratio	Staggere	d Studs			



Acoustics				Ass	embly Number: IWS-19		
STC:	50	OITC:	35	Report No.	TL21-351		
Asseml	oly Co	mponer	ts				
Finish r	Finish material			5/8" Type X gypsum			
Size	Size		2 x 4 Wood Stud				
Spacing		16"	16" oc				
Product		Safe	Safe'n'Sound/AFB				
Thickness		3″ p	3" per row, notched at opposing stud				
Wall Configi	n Stag	Staggered Studs					



Acoust	ics		Assembly Number: IWS-09
STC:	50	Report No.	NGC 2011014
Assem	bly Co	mponents	
Finish r	materi	al 5/8" type	X gypsum
Size		2 x 4 Woo	od Stud
Spacing 24" oc			
Product Comfor		Comfortb	patt
Thickness 2.5" per r			row
Wall Configuration Staggered			d Studs



Acoust	ics		Assembly Number: IWS-10		
STC:	51	Report No.	NGC 2011016		
Assembly Components					
Finish r	materi	al 5/8" type	e X gypsum		
Size		2 x 4 Woo	2 x 4 Wood Stud		
Spacin	g	24" oc			
Product AFB					
Thickness		2" per ro	2" per row		
Wall Config	uratio	Staggere	d Studs		

ROCKWOOL Acoustic Wall Assemblies Catalog



Acoustics		Assembly Number: IWS-11		
STC: 52	Report No.	NGC 2010072		
Assembly Con	nponents			
Finish materia	1/2" gyp:	sum		
Size	2 x 4 Wo	2 x 4 Wood Stud		
Spacing	16" oc			
Product	Comfortbatt			
Thickness	3.5" per row			
Wall Configuration	Double Stud with 1" Air Gap			



Insulation Included: ROCKWOOL Safe'n'Sound/AFB

Acoust	ics			Asse	embly Number: IWS-20		
STC:	53	OITC:	37	Report No.	TL21-357		
Assem	bly Co	mponen	ts				
Finish r	al 5/8"	5/8" Type X gypsum					
Size		2 x 6	2 x 6 Wood Stud				
Spacing 16" oc							
Product Safe			Safe'n'Sound/AFB				
Thickne	5.5"	5.5"					
Wall Configuration Single Stu				ıd			
Resilier Channe	24"	24" oc					



Insulation Included: ROCKWOOL Safe'n'Sound/AFB

Acoust	ics			Asse	embly Number: IWS-21		
STC:	54	OITC:	48	Report No.	TL21-353		
Assembly Components							
Finish r	nateri	al 2x 5	/8″ Ty	pe X gypsum			
Size		2 x 4	2 x 4 Wood Stud				
Spacing	9	24"	24" oc				
Produc	t	Safe	Safe'n'Sound/AFB				
Thickne	ess	3" p	3" per row, notched at opposing stud				
Wall Configu	uration	Stag	Staggered Studs				



Acoust	ics		Assembly Number: IWS-12	
STC:	56	Report No.	NGC 2010071	
Asseml	Assembly Components			
Finish r	nateri	al 5/8" type	e X gypsum	
Size		2 x 4 Wo	od Stud	
Spacing	g	16" oc		
Product Safe'n'Sou		Safe'n'So	pund	
Thickne	ess	3" per ro	ow	
Wall Configuration Double St			Stud with 1" Air Gap	



Acoust	ics			Asse	embly Number: IWS-22			
STC:	57	OITC:	TC: 38 Report No. TL21-352					
Assem	Assembly Components							
Finish i	Finish material		Туре	X gypsum				
Size	Size 2			2 x 4 Wood Stud				
Spacin	Spacing		16" oc					
Produc	Product		Safe'n'Sound/AFB					
Thickne	Thickness		3" per row, notched at opposing stud					
Wall Configuration			Staggered Studs					
	Resilient Channels		24" oc					



ROCKWOOL Comfortbatt
ROXUL Safe 45

Acoust	ics			Asse	embly Number: IWS-13		
STC:	58	OITC:	33	Report No.	NGC 2010070		
Assembly Components							
Finish material 5/8" type X gypsum							
Size		2 x 4	2 x 4 Wood Stud				
Spacing 16" oc							
Product Comfortbatt							
Thickne	sickness 3.5" per row						
Wall Configuration Double Stud with 1" ROXUL Safe 45					OXUL Safe 45		



Acoust	ics		Assembly Number: IWS-14		
STC:	60	Report No.	NGC 2010069		
Asseml	oly Co	omponents			
Finish r	nateri	al 5/8" typ	e X gypsum		
Size		2 x 4 Wc	ood Stud		
Spacing	9	16" oc			
Produc	t	Comfort	batt		
Thickne	ess	3.5" per	row		
Wall Configi	uratio	Double S	Stud with 1" Air Gap		



Insulation Included: ROCKWOOL Safe'n'Sound/AFB

Acoust	Acoustics				embly Number: IWS-23		
STC:	61	OITC:	46	Report No.	TL21-360		
Assembly Components							
Finish i	al 2x 5	2x 5/8" Type X gypsum					
Size	2 x c	2 x 6 Wood Stud					
Spacin	24"	24" oc					
Produc	Safe	Safe'n'Sound/AFB					
Thickne	5.5"	5.5"					
Wall Configuration Single Stu				ıd			
Resilier Channe		24"	24" oc				



Insulation	included:
ROCKWOO	DL
Safe'n'Sour	nd/AFB

Acoust	ics			Asse	mbly Number: IWS-24	
STC:	66	OITC:	50	Report No.	TL21-349	
Asseml	Assembly Components					
Finish r	nateri	al 2x 5/	'8" Тур	oe X gypsum		
Size		2 x 4	Wood	d Stud		
Spacing	9	16"	ос			
Produc	t	Safe	Safe'n'Sound/AFB			
Thickne	ess	3" p	3" per row			
Wall Configi	uratio	n Doul	ole Stu	ıd with 1" Air	Gap	



Insulation Included:ROCKWOOL
Safe'n'Sound/AFB

Acoustics Assembly Number: IWS-								
STC:	66	OITC:	52	Report No.	TL21-350			
Assembly Components								
Finish material 2x 5/8" Type X gypsum								
Size	2 x 4	2 x 4 Wood Stud						
Spacin	g	24" c	24" oc					
Produc	t	Safe'	Safe'n'Sound/AFB					
Thickne	ess	3" ре	3" per row					
Wall Config	uratio	n Doub	Double Stud with 1" Air Gap					



Insulation Included:ROCKWOOL
Safe'n'Sound/AFB

Acoustics		Ass	embly Number: IWS-26					
STC: 66 C	DITC: 51	Report No.	TL21-354					
Assembly Components								
Finish material	2x 5/8" T	2x 5/8" Type X gypsum						
Size	2 x 4 Woo	2 x 4 Wood Stud						
Spacing	24" oc							
Product	Safe'n'Sound/AFB							
Thickness	3" per row, notched at opposing stud							
Wall Configuration	Staggered Studs, on 2x6 plates							
Resilient Channels	16" oc							

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This section will outline exterior assemblies using wood studs in various thicknesses, spacings, finishes, and any additional components. Assemblies will be organized by STC value ranging from an STC of 35 to an STC of 39.



Acoust	ics			Asse	mbly Number: EWS-01			
STC:	35	OITC	27	Report No.	H5383.01-113-11-R0			
Asseml	oly Co	mpone	ents					
Finish r	nateri	al 5	/8" gyp	sum				
Size	Size		x 6 Wo	od Stud				
Spacing	9	1	6" oc					
Produc	t	C	Comfortbatt					
Thickne	ess	6	6"					
Sheath	ing	1	1/2 plywood with Air Barrier					
	Continuous Insulation							
	Insulation Thickness							
	Insulation Fastening							



Insulation Included:
ROCKWOOL Comfortbatt
ROCKWOOL Comfortboard 80

Acoustics			Asse	mbly Number: EWS-02			
STC: 39 C	DITC:	29	Report No.	H5383.02-113-11-R0			
Assembly Com	ponent						
Finish material	5/8	gyp:	sum				
Size	2 x	6 Wo	od Stud				
Spacing	16"	16" oc					
Product	Cor	Comfortbatt					
Thickness	6"	6"					
Sheathing	1/2	1/2 plywood with Air Barrier					
Ontinuous Insulation	Cor	Comfortboard 80					
Insulation Thickness	1.5	1.5					
Insulation Fastening	Furi	Furring Strips					

This section will outline exterior assemblies using steel studs in various thicknesses, spacings, finishes, and any additional components. Assemblies will be organized by STC value ranging from an STC of 43 to an STC of 52.



Insulation Included: ROCKWOOL Comfortboard 110

Acoust	ics			Asse	embly Number: ESS-01		
STC:	43	OITC:	30	Report No.	H5383.06-113-11-R0		
Asseml	oly Co	mponent	s				
Finish material				5/8" gypsum			
Size			;	3 5/8" Steel Stud			
Spacing				16" oc			
Batt Pro	oduct						
Thickne	ess						
Sheath	ing			1/2" gypsum with Air Barrier			
Continu	uous l	nsulation	(Comfortboard 110			
Insulati	Insulation Thickness			1"			
Insulation Fastening			-	Furring Strips			
Cladding			-	None			



Acoust	ics			Asse	embly Number: ESS-02		
STC:	44	OITC:	29	Report No.	96973.01-113-11		
Assem	oly Co	mponent	ts				
Finish r	nateri	al		1/2" gypsum			
Size				6" Steel Stud			
Spacing				16" oc			
Batt Pro	oduct						
Thickne	ess						
Sheath	ing			5/8" gypsum with Air Barrier			
Contin	Jous I	nsulation		Cavityrock			
Insulati	on Th	ickness		3"			
Insulati	on Fa	stening		Z-girts			
Claddir	ng			5/16" Cement Board			



Insulation Included:ROCKWOOL Comfortbatt
Polyiso Insulation

Acoust	ics			Asse	embly Number: ESS-03			
STC:	47	OITC:	30	Report No.	96641.01-113-11			
Assembly Components								
Finish r	nateri	al 1/2	" дур	sum				
Size		6" 9	Steel S	Stud				
Spacing	16"	ос						
Batt Pro	oduct	Cor	Comfortbatt					
Thickne	ess	6"	6"					
Sheath	ing	5/8	5/8" gypsum with Air Barrier					
Continu Insulati		Poly	Polyiso					
	Insulation Thickness		3"					
Insulation Z-Fastening			Z-girts					
Claddir	ng	5/1	5/16" Cement Board					



Insulation Included: ROCKWOOL Comfortbatt

Acoust	ics			Asse	embly Number: ESS-04				
STC:	48	OITC:	30	Report No.	96642.01-113-11				
Assembly Components									
Finish r	nateri	al 1/2	" дур	sum					
Size		6" 9	Steel S	Stud					
Spacing	Spacing								
Batt Pro	Batt Product		Comfortbatt						
Thickne	Thickness		6"						
Sheath	ing	5/8	5/8" gypsum with Air Barrier						
Continu Insulati		Air	Air Gap						
Insulati Thickne									
Insulation Fastening Z-gi			Z-girts						
Claddir	ng	5/1	6" Ce	ment Board					



Insulation Included:ROCKWOOL Comfortbatt
ROCKWOOL Cavityrock

Acoust	ics			Ass	embly Number: ESS-05			
STC:	49	OITC:	32	Report No.	H5383.03-113-11-R0			
Assem	bly Co	mponen	ts					
Finish r	materi	al 5/8	5/8" gypsum					
Size		3 5	/8" St	eel Stud				
Spacing	Spacing							
Batt Pr	oduct	Coi	Comfortbatt					
Thickne	ess	3.5	3.5"					
Sheath	ing	5/8	5/8" gypsum with Air Barrier					
Continu Insulati		Cav	Cavityrock					
Insulati Thickne	2"							
Insulati Fasteni		Z-g	irts					
Claddi	ng	No	ne					



Insulation Included: ROCKWOOL Comfortbatt ROCKWOOL Cavityrock

Acoust	ics				Asse	embly Number: ESS-06		
STC:	49	Ol	TC:	32	Report No.	97175.01-113-11		
Assemb	oly Co	mpo	onent	:S				
Finish n	nateri	al	5/8	gyps	sum			
Size			6" 5	Steel S	Stud			
Spacing	9		16"	ос				
Batt Pro	oduct		Comfortbatt					
Thickne	ess		6"					
Sheathi	ing		5/8" gypsum with Air Barrier					
Continu Insulati			Cavityrock					
Insulati Thickne			3"					
Insulation Fastening			Z-girts					
Cladding			5/16" Cement Board					



Insulation Included: ROCKWOOL Comfortbatt ROCKWOOL Cavityrock

Acoust	ics				Asse	embly Number: ESS-07		
STC:	50	Oľ	TC:	31	Report No.	96644.01-113-11		
Asseml	bly Co	mpo	onen	ts				
Finish r	nateri	al	1/2	" дур	sum			
Size	Size			Steel	Stud			
Spacing	g		16"	ос				
Batt Pro	oduct		Comfortbatt					
Thickne	ess		6"					
Sheath	ing		5/8" gypsum with Air Barrier					
Continu Insulati			Cavityrock					
	Insulation Thickness			3"				
Insulation Fastening			Z-girts					
Claddir	ng		5/16" Cement Board					



Insulation Included: ROCKWOOL Comfortbatt ROCKWOOL Comfortboard 110

Acoustics					Asse	embly Number: ESS-08			
STC:	51	Oľ	TC:	32	Report No.	H5383.05-113-11-R0			
Assembly Components									
Finish r	materi	al	5/8	gyp:	sum				
Size			3 5/	8" St	eel Stud				
Spacing	Spacing			ос					
Batt Pro	oduct		Cor	Comfortbatt					
Thickne	ess		3.5	3.5"					
Sheath	ing		1/2" gypsum with Air Barrier						
Contini Insulati			Comfortboard 110						
Insulation Thickness			1"						
Insulation Fastening			Furring Strips						
Cladding			None						



Insulation Included: ROCKWOOL Comfortbatt ROCKWOOL Cavityrock

Acoustics		Assembly Number: ESS-09								
STC: 51	OITC:	35	Report No.	97176.01-113-11						
Assembly Components										
Finish materia	1 2x 5	2x 5/8" gypsum								
Size	6" 5	6" Steel Stud								
Spacing	16"	16" oc								
Batt Product	Cor	Comfortbatt								
Thickness	6"	6"								
Sheathing	5/8	5/8" gypsum with Air Barrier								
Continuous Insulation	Cav	Cavityrock								
Insulation Thickness	3"	3"								
Insulation Fastening	Z-g	Z-girts								
Cladding	5/1	5/16" Cement Board								



Insulation Included: ROCKWOOL Comfortbatt ROCKWOOL Comfortboard 110

Acoust	ioo				٨٥٥	ambly Number ESS 10			
Acoust		Assembly Number: ESS-10							
STC:	52	OITC:		33	Report No.	H5383.04-113-11-R0			
Assembly Components									
Finish material		al	5/8" gypsum						
Size			3 5/8" Steel Stud						
Spacing			16" oc						
Batt Product			Comfortbatt						
Thickness			3.5"						
Sheathing			5/8" gypsum with Air Barrier						
Continuous Insulation			Comfortboard 110						
Insulation Thickness			2"						
Insulati Fasteni			Furring Strips						
Cladding			None						

Notes:

Notes:							

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