packwall



RECOMA

WALL SYSTEMS

Wall systems with Packwall

In this document, you will find different types of wall systems with Recoma Packwall as a component. You can see the performance of the different walls in terms of acoustics and fire rating, as well as their total and fossil CO2e emissions.

As you will quickly notice, Recoma stands out from the crowd, especially when it comes to acoustics and carbon emissions. Here, our board contributes significantly improved sound insulation and a markedly substantial reduction in CO2e emissions.

Not all wall systems have undergone all tests; therefore, some individual values are missing for certain configurations. If you have any questions regarding any wall system or its performance, you are warmly welcome to contact us.

NB 3062

Ackred. nr. 10445
Provning
ISO/IEC 17025

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Wood stud + Rock wool

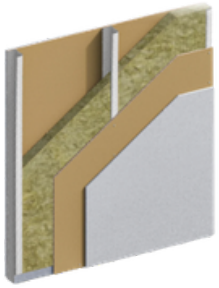
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70mm Steelstud with no insulation

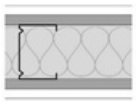
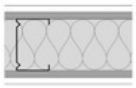
Wall systems with air cavity and gypsum board

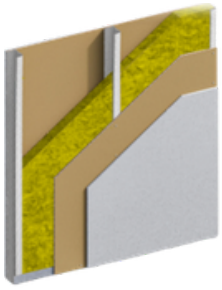
95mm Steel stud with no insulation

WALL SYSTEMS

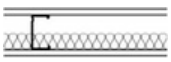
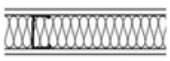


Steel stud + Rockwool

	Construction	Acoustic rating**	Fire rating**	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
	12,5mm RECOMA PackWall 70mm MR steel stud + Rockwool insulation 12,5mm RECOMA PackWall	**52 Rw (dB)**		**-15,2**	**6,9**
	12,5mm plasterboard 12,5mm RECOMA PackWall 70mm MR steel stud + Rockwool insulation 12,5mm RECOMA PackWall 12,5mm plasterboard	**58 Rw (dB)**	**EI 90**	**-12,0**	**11,3**
	12,5mm RECOMA PackWall 95mm MR steel stud + Rockwool insulation 12,5mm RECOMA PackWall	**56 Rw (dB)**		**-14,0**	**8,1**
	12,5mm plasterboard 12,5mm RECOMA PackWall 95mm MR steel stud + Rockwool insulation 12,5mm RECOMA PackWall 12,5mm plasterboard	**60 Rw (dB)**	**EI 90**	**-10,8**	**12,5**

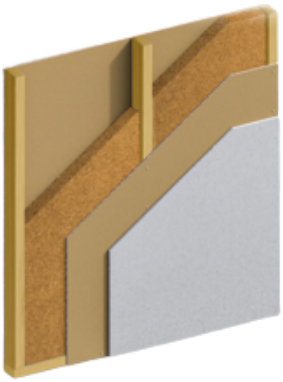


Steel stud + Mineral wool

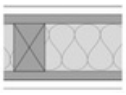
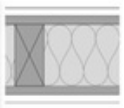
	Construction	Acoustic rating**	Fire rating**	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
	12mm RECOMA PackWall 95mm C+ studs 12mm RECOMA PackWall	**44 Rw (dB)**		**-18,0**	**4,2**
	12mm RECOMA PackWall 95mm C+ studs with 45mm mineral wool 12 mm RECOMA PackWall	**52 Rw (dB)**		**-16,1**	**6,1**
	12mm RECOMA PackWall 95mm C+ studs with 95mm mineral wool 12mm RECOMA PackWall	**54 Rw (dB)**		**-14,0**	**8,1**
	13mm plasterboard 12mm RECOMA PackWall 95mm C+ studs with 95mm mineral wool 12mm RECOMA PackWall 13mm plasterboard	**59 Rw (dB)**		**-10,8**	**12,5**

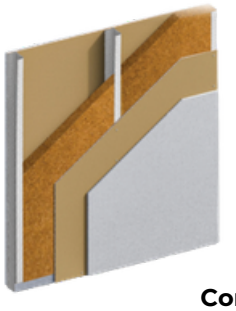
* Data from Prodikt.com (A1-A3 GWP)

** Fire and acoustic results on 70 & 95mm frames are also valid on 120mm constructions

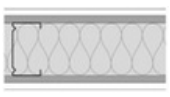
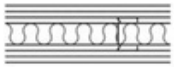


Wood stud + Hunton Nativo

	Construction	Acoustic rating**	Fire rating**	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
	12,5mm RECOMA PackWall 70mm wood stud + Hunton Nativo 12,5mm RECOMA PackWall	**48 Rw (dB)**		**-30,3**	**2,0**
	12,5mm plasterboard 12,5mm RECOMA PackWall 70mm wood stud + Hunton Nativo 12,5mm RECOMA PackWall 12,5mm plasterboard	**49 Rw (dB)**	**EI 60**	**-27,1**	**6,4**
	12,5mm RECOMA PackWall 95mm wood stud + Hunton Nativo 12,5mm RECOMA PackWall	**48 Rw (dB)**		**-31,8**	**2,3**
	12,5mm Plasterboard 12,5mm RECOMA PackWall 95mm wood stud + Hunton Nativo 12,5mm RECOMA PackWall 12,5mm Plasterboard	**51 Rw (dB)**	**EI 60**	**-28,6**	**6,7**

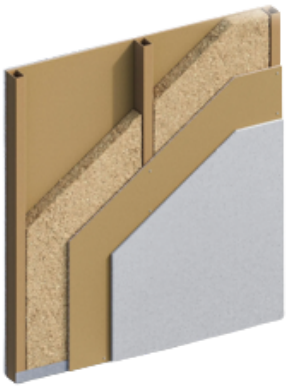


Steel stud + Hunton Nativo

	Construction	Acoustic rating**	Fire rating**	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
	12,5mm RECOMA PackWall 70mm metal stud + Hunton Nativo 12,5mm RECOMA PackWall	**51 Rw (dB)**		**-22,4**	**4,9**
	12,5mm plasterboard 12,5mm RECOMA PackWall 70mm metal stud + Hunton Nativo 12,5mm RECOMA PackWall 12,5mm plasterboard	**57 Rw (dB)**	**EI 60**	**-19,2**	**9,3**
	12,5mm RECOMA PackWall 95mm metal stud + Hunton Nativo 12,5mm RECOMA PackWall	**54 Rw (dB)**		**-23,7**	**5,3**
	12,5mm Plasterboard 12,5mm RECOMA PackWall 95mm metal stud + Hunton Nativo 12,5mm RECOMA PackWall 12,5mm Plasterboard	**57 Rw (dB)**	**EI 60**	**-20,6**	**9,7**
	12mm RECOMA PackWall 70mm Metal stud + 45mm Hunton Nativo 12mm RECOMA PackWall	**50 Rw (dB)**		**-20,9**	**4,6**
	12mm Plasterboard 12mm RECOMA PackWall 70mm metal stud + 45mm Hunton Nativo 12mm RECOMA PackWall 12mm Plasterboard	**57 Rw (dB)**	**EI 60**	**-17,7**	**8,9**

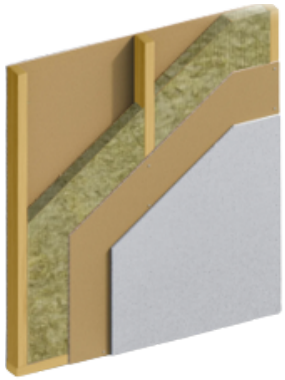
* Data from Prodikt.com (A1-A3 GWP)

** Fire and acoustic results on 70 & 95mm frames are also valid on 120mm constructions



Greenwall

Construction	Acoustic rating**	Fire rating**	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
12.5mm RECOMA PackWall 70mm Wood Tube studs with Ekolution HF 12.5mm RECOMA PackWall	**44 Rw (dB)**		**-27,9**	**2,1**
2x 12.5mm RECOMA PackWall 70mm Wood Tube studs with Ekolution HF 2x 12.5mm RECOMA PackWall	**52 Rw (dB)**		**-49,1**	**3,1**
12.5mm plasterboard 12.5mm RECOMA PackWall 70mm Wood Tube studs with Ekolution HF 12.5mm RECOMA PackWall 12.5mm plasterboard	**53 Rw (dB)**	**EI 60**	**-24 , 8**	**6,5**
2x 12.5mm plasterboard 12.5mm RECOMA PackWall 70mm Wood Tube studs with Ekolution HF 12.5mm RECOMA PackWall 2x 12.5mm plasterboard	**56 Rw (dB)**	**EI 120**	**-21,6**	**10,9**

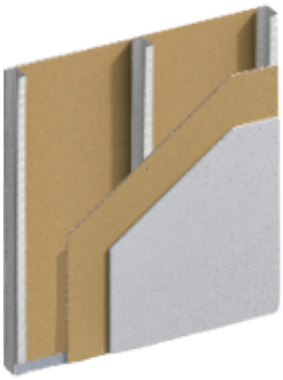


Wood stud + Rock wool

Construction	Acoustic rating**	Fire rating**	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
12,5mm RECOMA PackWall 70mm Wood stud + Rockwool 12,5mm RECOMA PackWall	*Coming soon*			
12,5mm plasterboard 12,5mm RECOMA PackWall 70mm Wood Stud + Rockwool 12,5mm RECOMA PackWall 12,5mm plasterboard	*Coming soon*	*Coming soon*		
12,5mm RECOMA PackWall 95mm Wood stud + Rockwool 12,5mm RECOMA PackWall	*Coming soon*			
12,5mm Plasterboard 12,5mm RECOMA PackWall 95mm Wood stud + Rockwool 12,5mm RECOMA PackWall 12,5mm Plasterboard	*Coming soon*	*Coming soon*		

* Data from Prodikt.com (A1-A3 GWP)

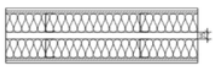
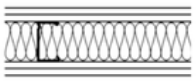
** Fire and acoustic results on 70 & 95mm frames are also valid on 120mm constructions



70mm Steel stud with no insulation

	Construction	Acoustic rating	Fire rating	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
	12,5mm Plasterboard 12mm RECOMA PackWall 70mm MR steel stud (no insulation)	**33 Rw (dB)**		**-5,8**	**5,9**
	12mm RECOMA PackWall 70mm MR steel stud (no insulation) 12mm RECOMA PackWall	**40 Rw (dB)**		**-18,0**	**4,2**
	12,5mm Plasterboard 12mm RECOMA PackWall 70mm MR steel stud (no insulation) 12mm RECOMA PackWall 12,5mm Plasterboard	**50 Rw (dB)**		**-14,8**	**8,6**

Wall systems with air cavity and gypsum board

	Construction	Acoustic rating	Fire rating
	12,5mm Plasterboard 12,5mm RECOMA PackWall 2x 95mm C+ metal stud + mineral wool 12,5mm RECOMA PackWall 12,5mm Plasterboard	**64 Rw (dB)**	
	12,5mm Plasterboard 12,5mm RECOMA PackWall 2x 70mm C+ metal stud + mineral wool 12,5mm RECOMA PackWall 12,5mm Plasterboard	**60 Rw (dB)**	**EI 30**
	12,5mm Plasterboard 12,5mm RECOMA PackWall 95mm C+ metal stud + mineral wool 12,5mm RECOMA PackWall 12,5mm Plasterboard	**52 Rw (dB)**	

95mm Steel stud with no insulation

	Construction	Acoustic rating
	12,5mm RECOMA PackWall 95mm C+ metal stud 12,5mm RECOMA PackWall	**44 Rw (dB)**

* Data from Prodikt.com (A1-A3 GWP)