



RECOMA

WALL SYSTEMS

CE

+



RECOMA

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# 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 CO<sub>2</sub>e 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 CO<sub>2</sub>e 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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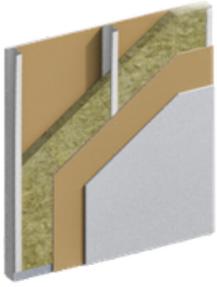
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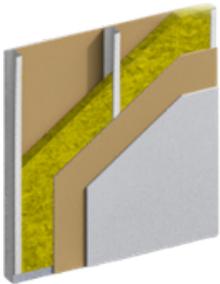
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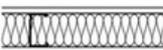
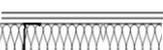


## Steel stud + Rockwool

Construction	Acoustic rating**	Fire rating**	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
 <p>12,5mm RECOMA PackWall 70mm MR steel stud + Rockwool insulation 12,5mm RECOMA PackWall</p>	<b>52 Rw (dB)</b>		<b>-13,7</b>	<b>5,2</b>
 <p>12,5mm plasterboard 12,5mm RECOMA PackWall 70mm MR steel stud + Rockwool insulation 12,5mm RECOMA PackWall 12,5mm plasterboard</p>	<b>58 Rw (dB)</b>	<b>EI 90</b>	<b>-10,5</b>	<b>9,6</b>
 <p>12,5mm RECOMA PackWall 95mm MR steel stud + Rockwool insulation 12,5mm RECOMA PackWall</p>	<b>56 Rw (dB)</b>		<b>-13,7</b>	<b>5,2</b>
 <p>12,5mm plasterboard 12,5mm RECOMA PackWall 95mm MR steel stud + Rockwool insulation 12,5mm RECOMA PackWall 12,5mm plasterboard</p>	<b>60 Rw (dB)</b>	<b>EI 90</b>	<b>-10,5</b>	<b>9,6</b>

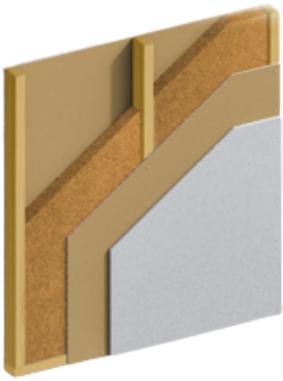


## Steel stud + Mineral wool

Construction	Acoustic rating**	Fire rating**	GWP Total CO2e kg/m2*	GWP Fossil CO2e kg/m2*
 <p>12mm RECOMA PackWall 95mm C+ studs 12mm RECOMA PackWall</p>	<b>44 Rw (dB)</b>		<b>-18,0</b>	<b>4,2</b>
 <p>12mm RECOMA PackWall 95mm C+ studs with 45mm mineral wool 12 mm RECOMA PackWall</p>	<b>52 Rw (dB)</b>		<b>-17,5</b>	<b>4,7</b>
 <p>12mm RECOMA PackWall 95mm C+ studs with 95mm mineral wool 12mm RECOMA PackWall</p>	<b>54 Rw (dB)</b>		<b>-17,1</b>	<b>5,2</b>
 <p>13mm plasterboard 12mm RECOMA PackWall 95mm C+ studs with 95mm mineral wool 12mm RECOMA PackWall 13mm plasterboard</p>	<b>59 Rw (dB)</b>	<b>EI 120</b>	<b>-13,9</b>	<b>9,6</b>
 <p>13mm plasterboard 12mm RECOMA PackWall 70mm C+ studs with 70mm mineral wool 12mm RECOMA PackWall 13mm plasterboard</p>	<b>58 Rw (dB)</b>	<b>EI 120</b>	<b>-14,0</b>	<b>9,4</b>

\* 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*
 <p>12,5mm RECOMA PackWall 70mm wood stud + Hunton Nativo 12,5mm RECOMA PackWall</p>	<b>48 Rw (dB)</b>		<b>-30,6</b>	<b>2,2</b>
 <p>12,5mm plasterboard 12,5mm RECOMA PackWall 70mm wood stud + Hunton Nativo 12,5mm RECOMA PackWall 12,5mm plasterboard</p>	<b>49 Rw (dB)</b>	<b>EI 60</b>	<b>-27,4</b>	<b>6,6</b>
 <p>12,5mm RECOMA PackWall 95mm wood stud + Hunton Nativo 12,5mm RECOMA PackWall</p>	<b>48 Rw (dB)</b>		<b>-30,6</b>	<b>2,2</b>
 <p>12,5mm Plasterboard 12,5mm RECOMA PackWall 95mm wood stud + Hunton Nativo 12,5mm RECOMA PackWall 12,5mm Plasterboard</p>	<b>51 Rw (dB)</b>	<b>EI 60</b>	<b>-27,4</b>	<b>6,6</b>



## Steel stud + Hunton Nativo

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

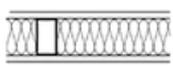
\* Data from ProdiKt.com (A1-A3 GWP)

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

# Greenwall



## Construction



12.5mm RECOMA PackWall  
70mm Wood Tube studs with Ekolution HF  
12.5mm RECOMA PackWall

**Acoustic  
rating\*\***

**44 Rw (dB)**

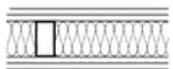
**Fire  
rating\*\***

**GWP Total  
CO2e kg/m2\***

**-27,9**

**GWP Fossil  
CO2e kg/m2\***

**2,1**

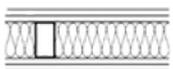


2x 12.5mm RECOMA PackWall  
70mm Wood Tube studs with Ekolution HF  
2x 12.5mm RECOMA PackWall

**52 Rw (dB)**

**-49,1**

**3,1**



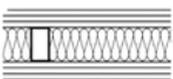
12.5mm plasterboard  
12.5mm RECOMA PackWall  
70mm Wood Tube studs with Ekolution HF  
12.5mm RECOMA PackWall  
12.5mm plasterboard

**53 Rw (dB)**

**EI 60**

**-24 , 8**

**6,5**



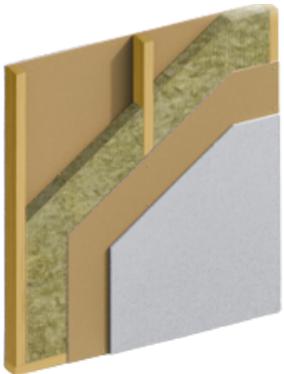
2x 12.5mm plasterboard  
12.5mm RECOMA PackWall  
70mm Wood Tube studs with Ekolution HF  
12.5mm RECOMA PackWall  
2x 12.5mm plasterboard

**56 Rw (dB)**

**EI 120**

**-21,6**

**10,9**



# Wood stud + Rock wool

## Construction



12.5mm RECOMA PackWall  
70mm Wood stud + Rockwool  
12.5mm RECOMA PackWall

**Acoustic  
rating\*\***

*Coming soon*

**Fire  
rating\*\***

*Coming soon*

**GWP Total  
CO2e kg/m2\***

**GWP Fossil  
CO2e kg/m2\***



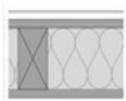
12.5mm plasterboard  
12.5mm RECOMA PackWall  
70mm Wood Stud + Rockwool  
12.5mm RECOMA PackWall  
12.5mm plasterboard

*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)

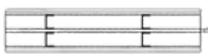
\*\* Fire and acoustic results on 70 & 95mm frames are also valid on 120mm constructions



## 70mm Steel stud with no insulation

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

## Wall systems with air cavity and gypsum board

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

## 95mm Steel stud with no insulation

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