

## ROCKWOOL Environmental Product Declaration (EPD) Global Warming Potential (GWP) Look-up Tables

ROCKWOOL has a product-specific Type III EPD, third-party developed, and verified by UL Environment in accordance to ISO 14025 for North America; it is available at [www.rockwool.com](http://www.rockwool.com).

In this EPD, the environmental impact values are calculated for a declared product, ROCKWOOL Safe'n'Sound®, with an RSI value of 1 (m<sup>2</sup>.K)/W, and a dimension of 1 m<sup>2</sup>, known as the functional unit. To calculate the environmental impact of any other ROCKWOOL product, scale factors are applied to the appropriate impact value, known as the baseline impact value, calculated for this functional unit.

For example, the GWP value of a specific product is calculated by multiplying the baseline impact value (found on pg. 7 of the EPD) by the scale factor of the specific product (found on pg. 3 of the EPD). In addition, for any product with a specialty facer, the specific impact should be added (found on pg. 13 of the EPD).

**Table 1: Product Scale Factors and GWP Impacts (A1-A3) for Functional Unit**

Product <sup>(1)</sup>	Scale Factor for Functional Unit (1 m <sup>2</sup> at RSI =1 (m <sup>2</sup> .K)/W)	A1-A3 GWP Impact for 1m <sup>2</sup> of Product (kg CO <sub>2</sub> -eq)	A1-A3 Impact of Facer for 1m <sup>2</sup> (kg CO <sub>2</sub> -eq)	Total A1-A3 Impact with Facer for 1m <sup>2</sup> (kg CO <sub>2</sub> -eq)
Safe'n'Sound®	1	1.31E+00		
AFB®	1	1.31E+00		
AFB® evo	0.9	1.18E+00		
Cavityrock®	1.6	2.10E+00		
Comfortbatt® R10	0.9	1.18E+00		
Comfortbatt® R14	0.9	1.18E+00		
Comfortbatt® R15	1	1.31E+00		
Comfortbatt® R22	0.9	1.18E+00		
Comfortbatt® R22.5	0.9	1.18E+00		
Comfortbatt® R23	1.1	1.44E+00		
Comfortbatt® R24 SS	0.9	1.18E+00		
Comfortbatt® R24 WS	1.3	1.70E+00		
Comfortbatt® R28	0.9	1.18E+00		
Comfortbatt® R30	0.9	1.18E+00		
Comfortbatt® R32	0.9	1.18E+00		
Comfortboard® 110	4.3	5.63E+00		
Comfortboard® 80	3.1	4.06E+00		

Product <sup>(1)</sup>	Scale Factor for Functional Unit (1 m <sup>2</sup> at RSI =1 (m <sup>2</sup> .K)/W)	A1-A3 GWP Impact for 1m <sup>2</sup> of Product (kg CO <sub>2</sub> -eq)	A1-A3 Impact of Facer for 1m <sup>2</sup> (kg CO <sub>2</sub> -eq)	Total A1-A3 Impact with Facer for 1m <sup>2</sup> (kg CO <sub>2</sub> -eq)
Conrock®	3.2	4.19E+00		
Conrock® 60	2.2	2.88E+00		
Curtainrock®	1.3	1.70E+00		
Curtainrock® 40	1.6	2.10E+00		
Curtainrock® 40 RFF <sup>(3)</sup>	1.6	2.10E+00	4.58E-01	2.55E+00
Curtainrock® 80	2.4	3.14E+00		
Curtainrock® 80 RFF <sup>(3)</sup>	2.4	3.14E+00	4.58E-01	3.60E+00
Fabrock™ 120	3.5	4.59E+00		
Fabrock™ 30	1.1	1.44E+00		
Fabrock™ 60	1.7	2.23E+00		
Fabrock™ 85	2.4	3.14E+00		
Fabrock™ BATT	1.1	1.44E+00		
Fabrock™ HD	5.1	6.68E+00		
Fabrock™ LT	1.3	1.70E+00		
Fabrock™ WRAP	1.4	1.83E+00		
Rockboard® 40	1.5	1.97E+00		
Rockboard® 40 RFF <sup>(3)</sup>	1.5	1.97E+00	4.58E-01	2.42E+00
Rockboard® 60	2.2	2.88E+00		
ROCKWOOL PLUS® MB	0.9	1.18E+00		
ROXUL Safe®	1.8	2.36E+00		
ROXUL Safe® 45	1.6	2.10E+00		
ROXUL Safe® 55	2.0	2.62E+00		
ROXUL SAFE® 65	2.5	3.28E+00		
Toprock® DD	4.3	5.63E+00		
Toprock® DD PLUS	4.3	5.63E+00		

**Table 2: Product Scale Factors and GWP Impacts (A1-C4) for Functional Unit**

Product <sup>(1)</sup>	Scale Factor for Functional Unit (1 m <sup>2</sup> at RSI =1 (m <sup>2</sup> .K)/W)	A1-A3 GWP Impact for 1m <sup>2</sup> of Product (kg CO <sub>2</sub> -eq)	A1-A3 Impact of Facer for 1m <sup>2</sup> (kg CO <sub>2</sub> -eq)	Total A1-A3 Impact with Facer for 1m <sup>2</sup> (kg CO <sub>2</sub> -eq)
Safe'n'Sound®	1	2.03E+00		
AFB®	1	2.03E+00		
AFB® evo	0.9	1.82E+00		
Cavityrock®	1.6	3.24E+00		
Comfortbatt® R10	0.9	1.82E+00		
Comfortbatt® R14	0.9	1.82E+00		
Comfortbatt® R15	1	2.03E+00		

Comfortbatt® R22	0.9	1.82E+00		
Comfortbatt® R22.5	0.9	1.82E+00		
Comfortbatt® R23	1.1	2.23E+00		
Comfortbatt® R24 SS	0.9	1.82E+00		
Comfortbatt® R24 WS	1.3	2.64E+00		
Comfortbatt® R28	0.9	1.82E+00		
Comfortbatt® R30	0.9	1.82E+00		
Comfortbatt® R32	0.9	1.82E+00		
Comfortboard® 110	4.3	8.72E+00		
Comfortboard® 80	3.1	6.28E+00		
Conrock®	3.2	6.49E+00		
Conrock® 60	2.2	4.46E+00		
Curtainrock®	1.3	2.64E+00		
Curtainrock® 40	1.6	3.24E+00		
Curtainrock® 40 RFF <sup>(3)</sup>	1.6	3.24E+00	4.62E-01	3.71E+00
Curtainrock® 80	2.4	4.87E+00		
Curtainrock® 80 RFF <sup>(3)</sup>	2.4	4.87E+00	4.62E-01	5.33E+00
Fabrock™ 120	3.5	7.10E+00		
Fabrock™ 30	1.1	2.23E+00		
Fabrock™ 60	1.7	3.45E+00		
Fabrock™ 85	2.4	4.87E+00		
Fabrock™ BATT	1.1	2.23E+00		
Fabrock™ HD	5.1	1.03E+01		
Fabrock™ LT	1.3	2.64E+00		
Fabrock™ WRAP	1.4	2.84E+00		
Rockboard® 40	1.5	3.04E+00		
Rockboard® 40 RFF <sup>(3)</sup>	1.5	3.04E+00	4.62E-01	3.50E+00
Rockboard® 60	2.2	4.46E+00		
ROCKWOOL PLUS® MB	0.9	1.82E+00		
ROXUL Safe®	1.8	3.65E+00		
ROXUL Safe® 45	1.6	3.24E+00		
ROXUL Safe® 55	2.0	4.05E+00		
ROXUL SAFE® 65	2.5	5.07E+00		
Toprock® DD	4.3	8.72E+00		
Toprock® DD PLUS	4.3	8.72E+00		

**Notes:**

- (1) Scale factors based on ROCKWOOL Stone Wool Insulation EPD (issued 07/17/19), ULE Declaration no. 4789092769.101.1 (IBU Declaration no. EPD-RWI-20190075-CCD1-EN).
- (2) Products not included in the table are not included in the current ROCKWOOL EPD and/or have been discontinued since the publication date. For further questions and guidance, contact [techservice@rockwool.com](mailto:techservice@rockwool.com).
- (3) Applicable facer is *reinforced foil facer*.

## Example Calculations

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### Example calculation for ROCKWOOL Cavityrock®:

The baseline GWP value for the production stage (A1-A3) is 1.31 kg CO<sub>2</sub>-eq and the scale factor for Cavityrock® is **1.6**.

<b>Impact</b>	= GWP Baseline Value × Scale Factor
	= 1.31 kg CO <sub>2</sub> -eq × 1.6
	= 2.1 kg CO <sub>2</sub> -eq

### Example calculation for ROCKWOOL Curtainrock® 80 RFF:

The baseline GWP value for the production stage (A1-A3) is 1.31 kg CO<sub>2</sub>-eq and the scale factor for Curtainrock® 80 RFF is **2.4**. In addition, this product has a reinforced foil facer.

<b>Impact</b>	= GWP Baseline Value × Scale Factor + Facer GWP Value
	= (1.31 kg CO <sub>2</sub> -eq × 2.4) + 0.458 kg CO <sub>2</sub> -eq
	= 3.6 kg CO <sub>2</sub> -eq

For more information, please contact ROCKWOOL Technical Services at the phone number or email address below.

### ROCKWOOL Technical Services

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