

# ROCKPANEL PRODUCT SPECIFIC EPDS. **FACTS AND FIGURES.**

MADE  
**FROM STONE.**

TM

# TO US, SUSTAINABILITY IS MORE THAN JUST A BEAUTIFUL FACADE.

At Rockpanel, our ambition is to lead the way in sustainable facade solutions. Our product specific Environmental Product Declarations (EPDs) provide a detailed and accurate assessment of the environmental impact of all our products across the entire product life cycle. This enables architects, developers, and specifiers the information they need to make informed, environmentally responsible choices.

Our EPDs reflect ongoing improvements across our value chain, underscoring our commitment to reducing our environmental footprint. As the construction industry moves toward greener practices, Rockpanel remains dedicated to empowering industry professionals with reliable data to meet sustainability goals.

Download our product specific EPDs at:  
[www.rockpanel.co.uk/epd](http://www.rockpanel.co.uk/epd)



Product specific EPDs are available for Rockpanel A2 8 mm, Rockpanel A2 9 mm, Rockpanel A2 11 mm, Rockpanel A2 8 mm with ProtectPlus, and Rockpanel A2 9 mm with ProtectPlus.

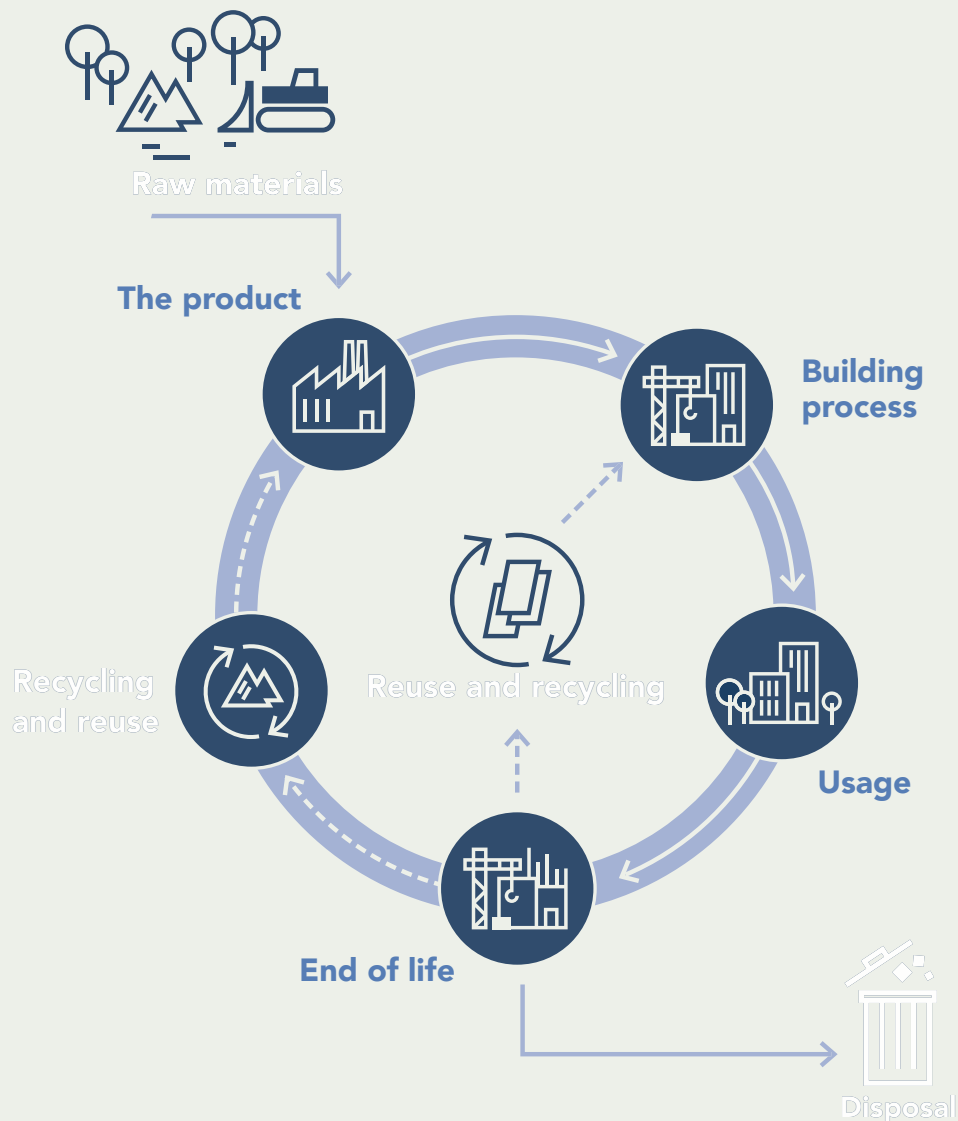
# WHAT IS AN EPD?

**EPD stands for Environmental Product Declaration. An EPD is a document where you can find information about the environmental impact of a specific building material. This information is presented in a standardized way, which makes it much easier to compare different building materials.**

To assess how sustainable a given product is, it is important to look at all the different stages the product goes through in its life cycle. A product may be manufactured

in a very sustainable way, but if it only lasts for a short period of time or if it is impossible to reuse or recycle afterwards, it is ultimately not very sustainable. Therefore, an EPD contains information about each of the product's life cycle phases: production, construction process, use phase and end-of-life phase, including the potential for reuse, recycling or recovery.

## THE LIFE CYCLE OF A PRODUCT.






# THE PRODUCT LIFE CYCLE STAGES ASSESSED IN AN EPD.

In an EPD, the environmental impact is assessed across the entire product life cycle. Specifically, this assessment covers each of the following stages: production, construction, use, end of life and the potential for reuse, recovery or recycling. These five stages are referred to with letters A to D. The five stages are then divided into several sub factors.

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 <b>Product stage</b>			 <b>Construction process stage</b>		 <b>Use stage</b>			
This stage shows the impacts of the raw material supply, transport to the production facilities and the manufacturing stage.			This stage shows the impact of transport from production facility to the site and construction on site.		This stage covers the environmental impact for period the product is in use.			
<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A4</b>	<b>A5</b>	<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>B4</b>
Raw material supply	Transportation	Manufacturing	Transportation from gate to site	Assembly	Use	Maintenance	Repair	Replacement

## Examples on how Rockpanels score is impacted:

The product stage score is mainly impacted by e.g.:

- Energy that goes into the production of the boards.
- Raw materials, e.g. stone, binder and recycled materials
- Transport of materials. This is low since we only source in Europe close to our production.



The construction process is mainly impacted by e.g.:

- Transport from production to construction site. This is small as we produce and sell mostly in Europe.
- Equipment needed to install the boards
- Waste from installation
- Disposal of packaging

The use phase is mainly impacted by e.g.:

- maintenance, repair, replacement or refurbishment.
- Need for energy or water to operate the façade

Rockpanel score is very low in this stage as no energy and water is needed to operate the facade, and the facade does not need maintenance under normal use conditions.

			 <b>End of life stage</b>				 <b>Reuse/Recycle</b>
			<p>This stage includes the impact of de-construction or demolition, transport to waste processing and any recovery or disposal processes.</p>				<p>This stage provide information about the potential for reuse, recovery or recycling.</p>
<b>B5</b>  Renovation	<b>B6</b>  Operational energy use	<b>B7</b>  Operational water use	<b>C1</b>  Dismantling / Demolition	<b>C2</b>  Transportation	<b>C3</b>  Waste treatment	<b>C4</b>  Disposal	<b>D</b>  Reuse, recovery, recycling potential
			<p>The end-of-life stage is mainly impacted by e.g.:</p> <ul style="list-style-type: none"> <li>• Deconstruction</li> <li>• Demolition</li> <li>• Transport to waste processing</li> <li>• Processing for recycling</li> <li>• Disposal</li> </ul> <p>In this phase as pr. Standard scenario is landfill and the option to recycle Rockpanel is not calculated into the numbers. It is possible to recycle the boards to new stone wool products, read more on <a href="http://www.rockpanel.co.uk">www.rockpanel.co.uk</a></p>				<p>Reuse/recycle stage is mainly impacted by:</p> <p>In this EPD, this phase as a standard is calculated as landfill. Still it is important to stress that Rockpanel can be recycled.</p>

# DECLARED VALUES IN OUR EPDs.

When comparing EPDs, it is important to ensure that they are made with the same scope (i.e. that values are declared for the same phases and a phase is not skipped). If the same scope is not declared, you risk “comparing apples to bananas”.

Also, it is important that the EPDs are issued by an independent and certified party – and that the EPDs are compliant with EN 15804 and ISO 14025.

Our EPDs are issued by Institut Bauen und Umwelt e.V. (IBU), [www.ibu-epd.com](http://www.ibu-epd.com).

Below, please find a brief summary of our GWP equivalent to kg. CO<sub>2</sub> pr. phase\*. For all details, please refer to the full EPDs, that can be downloaded at [www.rockpanel.co.uk](http://www.rockpanel.co.uk)

Kg CO <sub>2</sub> eq/m <sup>2</sup>	A1	A2	A3	A4	A5	B1	B2 <sup>1</sup>	B3 <sup>2</sup>	B4 <sup>2</sup>	B5 <sup>2</sup>	B6 <sup>1</sup>	B7 <sup>1</sup>	C1	C2	C3	C4	D	GWP A1-A3 (kg CO <sub>2</sub> eq.)	GWP A1-C4 (kg CO <sub>2</sub> eq.)
Rockpanel A2 8 mm	11.80			0.334	1.220	0	–	–	–	–	–	–	0	0.0431	0	0.156	-0.634	11.80	13.55
Rockpanel A2 8 mm with Protect Plus	12.30			0.334	1.240	0	–	–	–	–	–	–	0	0.0432	0	0.148	-0.642	12.30	14.07
Rockpanel A2 9 mm	14.10			0.332	1.450	0	–	–	–	–	–	–	0	0.0501	0	0.352	-0.757	14.10	16.28
Rockpanel A2 9 mm with Protect Plus	14.60			0.336	1.480	0	–	–	–	–	–	–	0	0.0519	0	0.356	-0.765	14.60	16.82
Rockpanel A2 11 mm	17.60			0.334	1.800	0	–	–	–	–	–	–	0	0.0629	0	0.229	-0.929	17.60	20.03

<sup>1</sup> Values are not declared for phases B2, B6 and B7. Rockpanel boards do not require maintenance, water or energy use in the use phase.

<sup>2</sup> Phases B3, B4 and B5 are not relevant for Rockpanel as repair, replacement and refurbishment are normally not needed during the life of the Rockpanel board.



# IT COMES FROM WITHIN.

Rockpanel is recognised for its blend of natural qualities that make it a unique choice for exterior cladding and other architectural applications.

Derived from the abundantly available rock, basalt, Rockpanel possess inherent natural properties that

contribute to their durability, sustainability, fire resilience, ease of installation and aesthetic versatility.

Learn more about the benefits of Rockpanel.



## **Sustainability**

Rockpanel is made from the natural abundant resource basalt together with recycled materials and is endlessly recyclable.

Rockpanel is also Cradle to Cradle certified® at silver level on Rockpanel Colours and Rockpanel Natural, our base board, verifying that the products are safe, more sustainable, and are supporting a circular product life cycle, contributing to a more sustainable future.

## **Design Freedom**

With more than 200 colours and designs available, plus the option to customize, Rockpanel offers design freedom with the option to bend and curve.

## **Fire Resilience**

Thanks to its inherent natural qualities, Rockpanel is classified as A2-s1,d0 non-combustible, ensuring high fire resilience for architectural applications.

## **Ease of use**

Rockpanel is light-weight, can be cut with standard woodworking tools and no edge treatment is needed. Our decorative cladding is also dimensionally stable.

## **Durability**

Avoid fading, lack of shape retention, weathering, rot and fungal decay – the aesthetic and functional durability of Rockpanel facade cladding is crucial to its longevity. Rockpanel facade boards have an officially confirmed lifetime of 50 years by an independent body (ETA).

## MADE **FROM STONE.**



**[www.rockpanel.co.uk](http://www.rockpanel.co.uk)**

Learn more about us, ask for product samples and be inspired by attractive reference projects.



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Rockpanel Colours