addagrip™
Quality Resin Surfacing Systems

SuDS, Biodiversity Net Gain, EPD and Carbon Offset

Building better surfaces
for a sustainable future

SuDS

BIODIVERSITY NET GAIN

EPD

CARBON OFFSET



SuDS

Drainage Hierarchy

Water must be discharged in this priority order:

1. Rainwater reuse (e.g. harvesting)
2. Infiltration into ground
3. Discharge to surface water body
4. Surface water sewer
5. Combined sewer (last resort)





Managing water sustainably for better places and a greener future.

SuDS

Core Design Principles

- Mimic natural drainage (manage water at/near source rather than pipes)
- Use a “management train” (multiple features like swales, ponds, permeable paving)
- Treat runoff as a resource, not waste water
- Integrate SuDS early in site design

Managing Rainfall & Flood Risk

- Capture first 5mm of rainfall on-site (no runoff)
- Design for extreme storms (1% AEP events)
- Must not increase flood risk elsewhere



Sustainable drainage creates better places, protects communities and enhances the environment.

SuDS

Resin Bound Surfacing in SuDS

- Permeable surface supporting infilltration
- Helps meet drainage hierarchy + source control
- Suitable for urban areas with limited space
- Must be combined with other SuDS for full compliance
- Requires maintenance to remain effective



Biodiversity

All living things and how they interact





How does Resin Bound support Biodiversity?

Under the Environment Act 2021:

Developments must deliver minimum **10% biodiversity net gain**

Must be measured using a **biodiversity metric**

Applies to **most new developments** in England

Resin bound does not count as habitat, so it must be offset with:

- **Planting**
- **Habitat creation**





Meet requirements, combine measures

- Plant **wildflower areas** or tree pits with **understory planting**
- SuDS features such as **rain gardens, swales** or **ponds**
- Habitat design for **native species** and **pollinator landscaping**
- Urban greening – **minimise hard surfacing** where possible





The EPD

Addagrip EPD

- It’s based on **Life Cycle Assessment**
- Follows standards like **ISO 14025**
- Raw **Materials**
- **Manufacturing**
- **Transport**
- **Installation**
- Use and **end of life**



BRE Global Verified EPD

Does it matter?

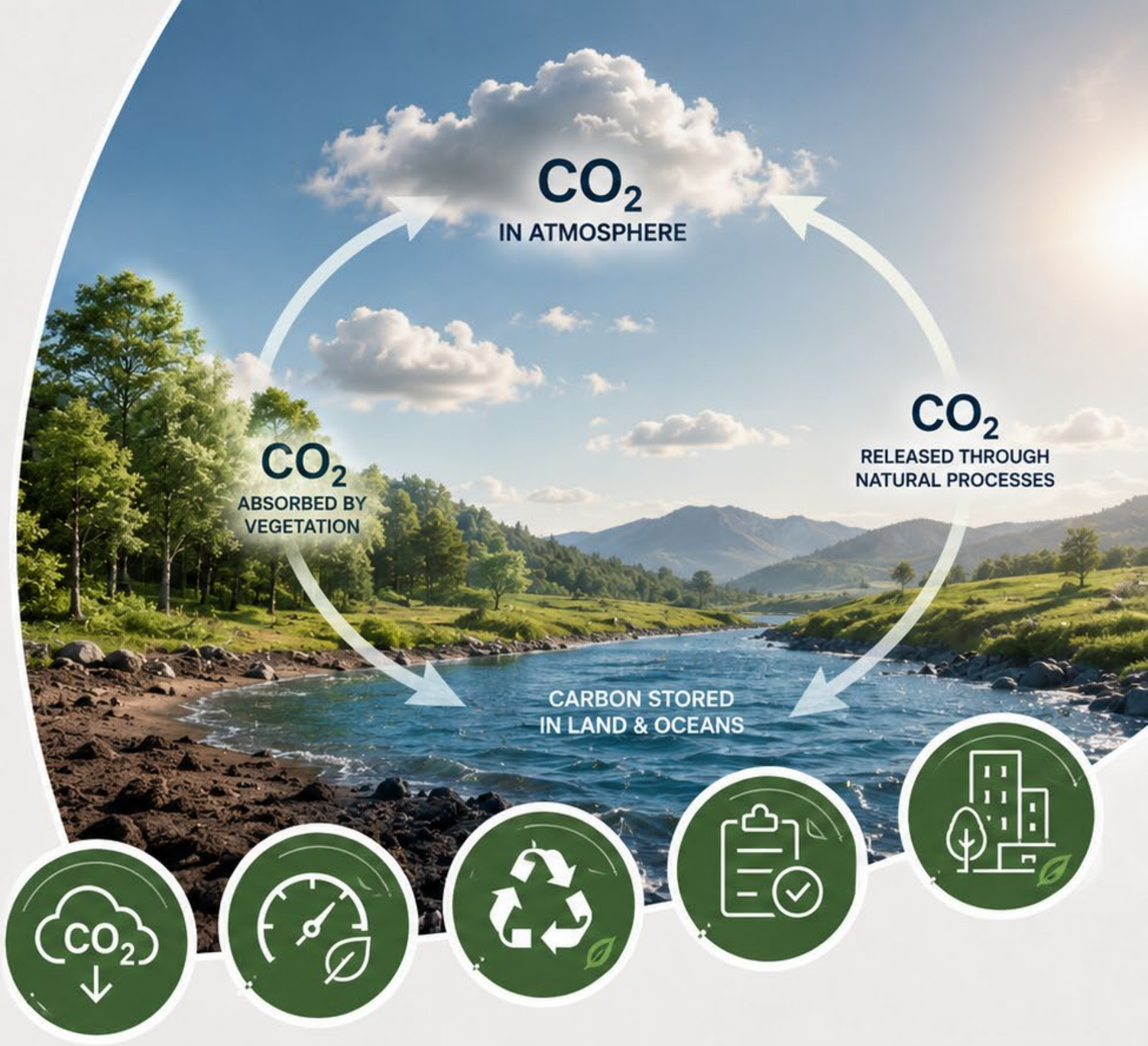
- It does to **Addagrip!**
- Our EPD is **evidence backed** proof of how **environmentally responsible** the **Addagrip** product range is
- Independently **verified**
- **A2** rating
- **Sustainability** credentials
- Support of **Green Building**





How is our EPD relevant?

- Addagrip's EPD shows around **19 kg CO_2e per m²**
- This places it at the **lower end** of typical resin-bound systems
- We have **strong recyclability** and **fully verified data** for sustainability assessments
- Ensures we are the **trusted choice** of architects and landscape designers



Carbon and Offset

Legal requirement

- The UK must reach net zero by 2050 under the UK Climate Change Act 2008
- Construction produces significant emissions, so the sector is under pressure to reduce and offset carbon

Planning policies

- Local authorities like London enforce carbon reduction strategies
- Developers must reduce emissions first, then offset any remaining ("residual") carbon

Unavoidable emissions

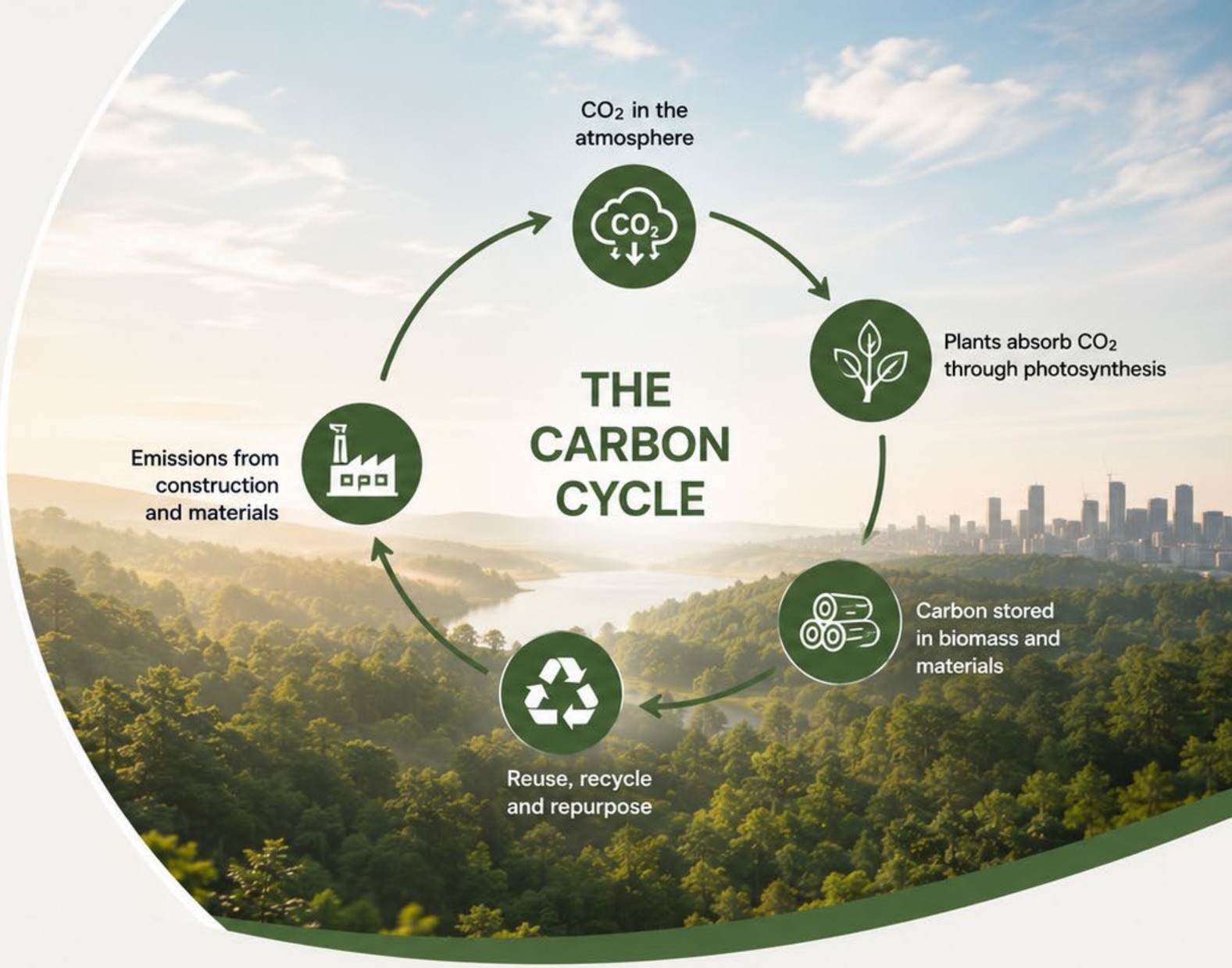
- Materials like concrete and steel create embodied carbon which is hard to eliminate
- Offsetting helps compensate for emissions that current technology can't fully remove

Approval and compliance

- Many projects won't get planning approval unless they include a carbon offset strategy
- Payments are often made into local carbon funds or certified offset schemes

Industry standards and expectations

- Organisations like RICS require whole-life carbon assessments
- Developers use offsets to meet these benchmarks



Measure emissions

Reduce where possible

Offset residual emissions

Support a net zero future

Addaset & Carbon Offset

Durability = lower lifecycle carbon:

- Long lifespan and relatively low maintenance reduce the need for replacement and repairs
- This lowers whole-life carbon, which is increasingly tracked under RICS assessments

Recycled content:

- Addaset Eco uses recycled aggregates, shell, glass etc, further reducing embodied carbon

Helps reduce heat island effect (slightly):

- Lighter colour finishes can reflect more sunlight than asphalt
- This can improve local microclimate and reduce cooling demand





In summary

Building better.
For today and tomorrow.

Measured impact
Our EPD provides transparent, verified data so you can make informed, responsible decisions.

Lower carbon choice
Addagrip products deliver around 19 kg CO_2e per m^2 – at the lower end of resin-bound systems.

Sustainable by design
Durable, with recycled content and benefits for the local environment.

Supporting a net zero future
Helps you meet planning requirements, industry standards and your sustainability goals.



Addagrip is committed to reducing our impact and helping you build a greener future.
Together, we can make every project count.

addagrip™
Quality Resin Surfacing Systems

Building better surfaces.
Driving a better future.

Thank you.