

Prof. Manfred Hegger
Chairman of the German Sustainable
Building Council



“Modern cities and their buildings are potential mines for future generations. A good and comprehensive planning and evaluation of buildings is essential to ensure the accessibility to these ‘urban mines’ in the future. Metals play a particularly important role in this context due to their good recyclability which saves resources and can safeguard a sustainable supply of raw materials for the future. This approach is also embedded in the DGNB certification system, which takes into account end-of-life recycling.”

3A COMPOSITES APPRECIATES MEMBERSHIP IN DGNB!

FSC certified paper



Six strong arguments in favour of your involvement:

- **Participation**
Make progress towards sustainability with construction and the real estate sector
- **Differentiation**
Strengthen your positioning in competition
- **Know-how**
Access the DGNB's deep pool of knowledge
- **Networking**
Develop your contacts in the entire value chain
- **Added value**
Make use of the DGNB Certificate to market your property
- **Attractive rates**
Profit from attractive association service rates in certification, training, workshops and other events

THE DGNB CERTIFICATE

Recycling for Future Generations



DGNB[®]

Deutsche Gesellschaft für Nachhaltiges Bauen e.V.
German Sustainable Building Council
Kronprinzstraße 11 | 70173 Stuttgart | Germany
Phone +49 (0)711 72 23 22 0 | Fax +49 (0)711 72 23 22 99
email info@dgnb.de | www.dgnb-international.com

ALUCOBOND[®]

3A Composites GmbH
Alusingenplatz 1 | 78224 Singen
Phone +49 (0)77 319412048 | Fax +49 (0)77 319412845
email info@alucobond.com | www.alucobond.com



DGNB[®]

Deutsche Gesellschaft für Nachhaltiges Bauen e.V.
German Sustainable Building Council

ALUCOBOND[®]

SUSTAINABLE BUILDING MOVING FORWARD TOGETHER

The construction and real estate industries are experiencing fundamental change: energy efficiency, protection of resources, health at home and at work, value stability and risk minimization are moving into focus. The framework conditions and market interests are changing – in future, buildings will be planned, constructed and operated differently.

Against this backdrop, the German Sustainable Building Council (DGNB) has developed a voluntary certification system: the DGNB Certificate. It was worked out on a broad basis by experts from the entire value chain of the construction and real estate industries and provides clear orientation for this future-focused economic sector.

As a clear and easily comprehensible rating system, the certificate covers all relevant fields of sustainable building and distinguishes outstanding buildings in gold, silver and bronze. Six areas of evaluation are singled out in the assessment: ecology, economy, socio-cultural and functional aspects, techniques, processes and location. The location is reported separately.



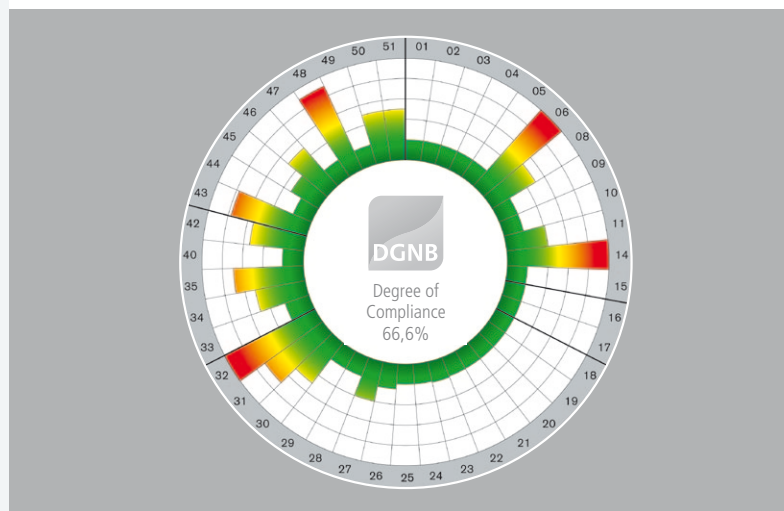
DGNB Certificate: the six areas of evaluation

A STRONG PARTNER: THE ALUMINIUM INDUSTRY

A sustainable approach to resources means using resources more efficiently and also preserving non-renewable resources for future generations. The main uses of aluminium in the building area often have lifetimes running into decades, a vast material storage bank is being created for future recycling use. This offers an economical value of Billion Euros and high CO₂ equivalents savings. There is a clear incentive to bring the scrap of aluminium products back into the loop after its useful life. Thus to optimise end of life recycling is crucial. This requires a good and comprehensive planning process of the building. Going through the DGNB certification process helps to ensure a balanced planning, while also taking end-of-life recycling requirements and abilities of constructions, materials and products into consideration.

The recycling performance of aluminium is demonstrated by following figures:

- Due to aluminium's longevity in building applications about 200 million tonnes of aluminium are still in use.
- About 75 % of the aluminium ever produced is still in use.
- In Europe about 96 % of the aluminium in building applications is collected and undergoes further recycling.
- In Europe about 40 % of the aluminium is produced from recycled aluminium.



The building at a glance: 43 criteria of the certificate
"New office and administrative buildings, Version 2009"

A CERTIFICATE WITH MANY ADVANTAGES

The DGNB Certificate has many advantages for construction work clients and users of buildings:

The certificate

- reveals the positive effects of a construction for the environment and the public
- provides investors with planning and cost security
- ensures transparency and therefore risk minimization
- reveals the high quality of a building in measurable terms
- serves as a marketing instrument in communication between investors, owners and users
- increases opportunities when selling or letting a property
- evaluates the performance of a building, not individual measures
- is a practical instrument of planning
- has the entire life cycle in its sights
- goes far beyond the scope of a "green building" label
- is flexibly scalable and can be easily adapted to new technical, social or international developments.

More information on

- the DGNB Certificate and the DGNB can be found at: www.dgnb.de and www.dgnb-international.com
- the aluminium industry and end-of-life recycling at: www.aluinfo.de and www.greenbuilding.world-aluminium.org