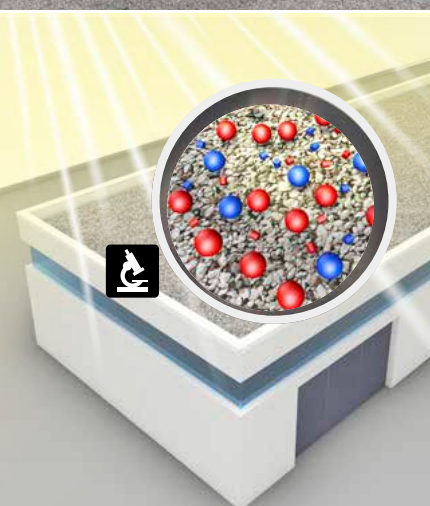


BauderKARAT Air+

Reduce air pollution - the new capping sheet



BauderKARAT Air+

For better air quality in towns and cities

The permissible limits are exceeded especially in large urban areas and big cities due to the pollutants in the air emitted by vehicles, aircraft, ships and industrial production. The group of nitrogen oxides (NOx) is a decisive pollution factor. We offer flat roofs another option to improve the air quality with the newly developed high-quality BauderKARAT Air+ bitumen capping sheet.

Less nitrogen oxide (NOx) in the air and less ozone means reduced air pollution, restoration of the airways, a positive effect for asthmatics, a lower risk of lung cancer and less fine dust.

In addition to this benefit for people, these mitigation measures also lead to the restoration of wildlife and the environment (in particular forests damaged by acid rain). A “yes” to BauderKARAT Air+ is a “yes” for your own health and a commitment to wildlife and the environment.



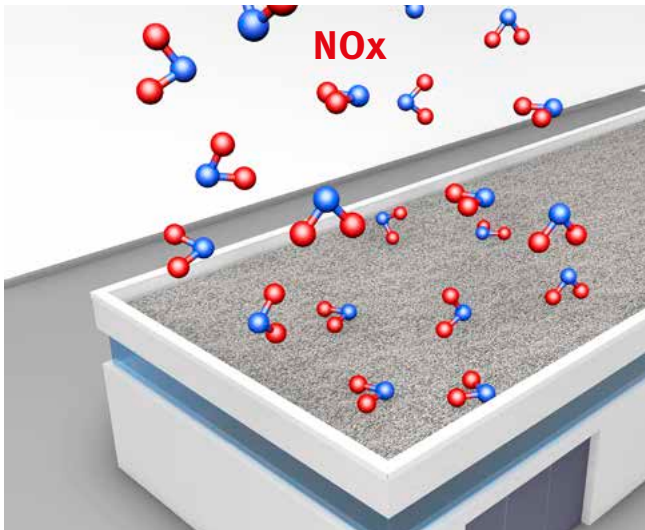
These are the facts about BauderKARAT Air+

- Ensures less nitrogen oxide in the air and reduces the formation of ozone
- 100 m² of this bitumen membrane cut the annual pollution from a car (Euro 5 with a mileage of 12,000 km per year)
- The direct application of the active substance on the slate coating produces maximum efficiency
- Effect of the active substance remains virtually unchanged even after more than 10 years
- Ideal for photovoltaic roofs thanks to the improved reflection from the off-white slate coating



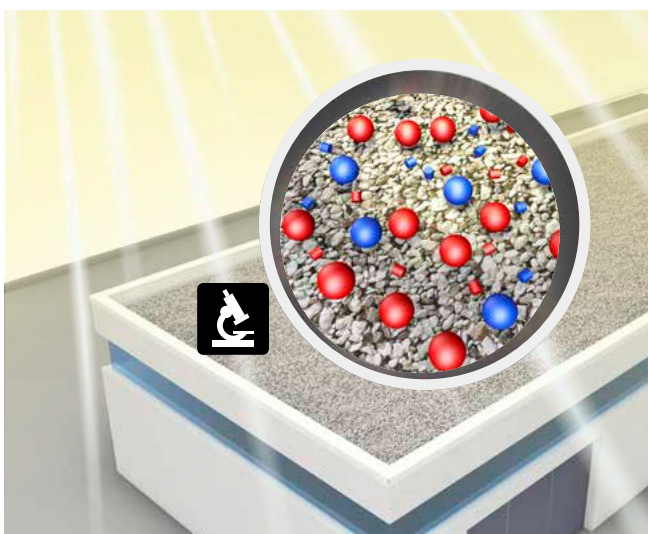
BauderKARAT Air+

The function of air purification



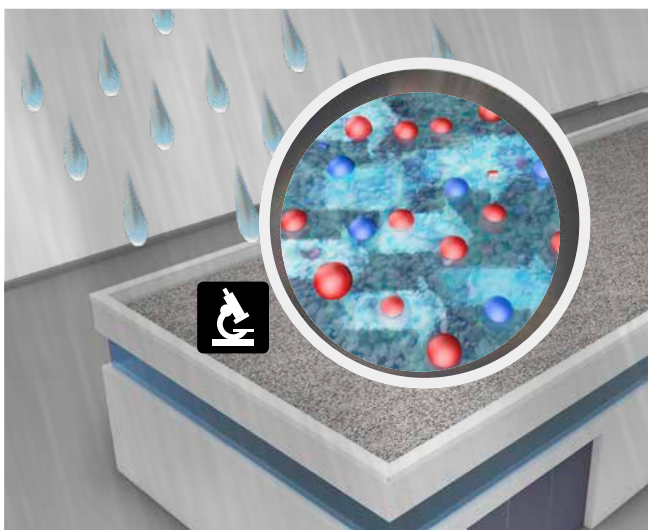
Step 1 | Nitrogen oxide (NOx) particles

Nitrogen oxide (NOx) particles are found in the ambient atmospheric layers due to the increasing emissions from traffic and industrial production. A specially developed patented layer of active substance is applied to the slate coating of the BauderKARAT Air+.



Step 2 | Photocatalytic process

Together with the sunlight, a photocatalytic process is started by the coated membrane, converting the harmful chemical nitrogen oxide compounds into harmless compounds – and the pollutants are neutralised.



Step 3 | Purified air

No harmful residues remain on the membrane. The water from these roofs can also continue to be used completely safely for watering etc. It is important for this process that the membrane remains clean so that the active substance can also react with the sun and the ambient air. The membrane is therefore hydrophilic and we recommend a minimum roof pitch of 2%.

Paul Bauder GmbH & Co. KG

Stuttgart plant

Korntaler Landstraße 63
70499 Stuttgart
Germany

Phone +49 (0) 711 8807-0

Fax +49 (0) 711 8807-300

stuttgart@bauder.de

www.bauder.de

All details in this brochure are based on state-of-the-art technology. We reserve the right to make changes. If you have questions, please contact us for technical details that are applicable at the time of your order.

Printed on paper of controlled origin that is sourced from responsibly managed forests.

1713BR/0120 ENG