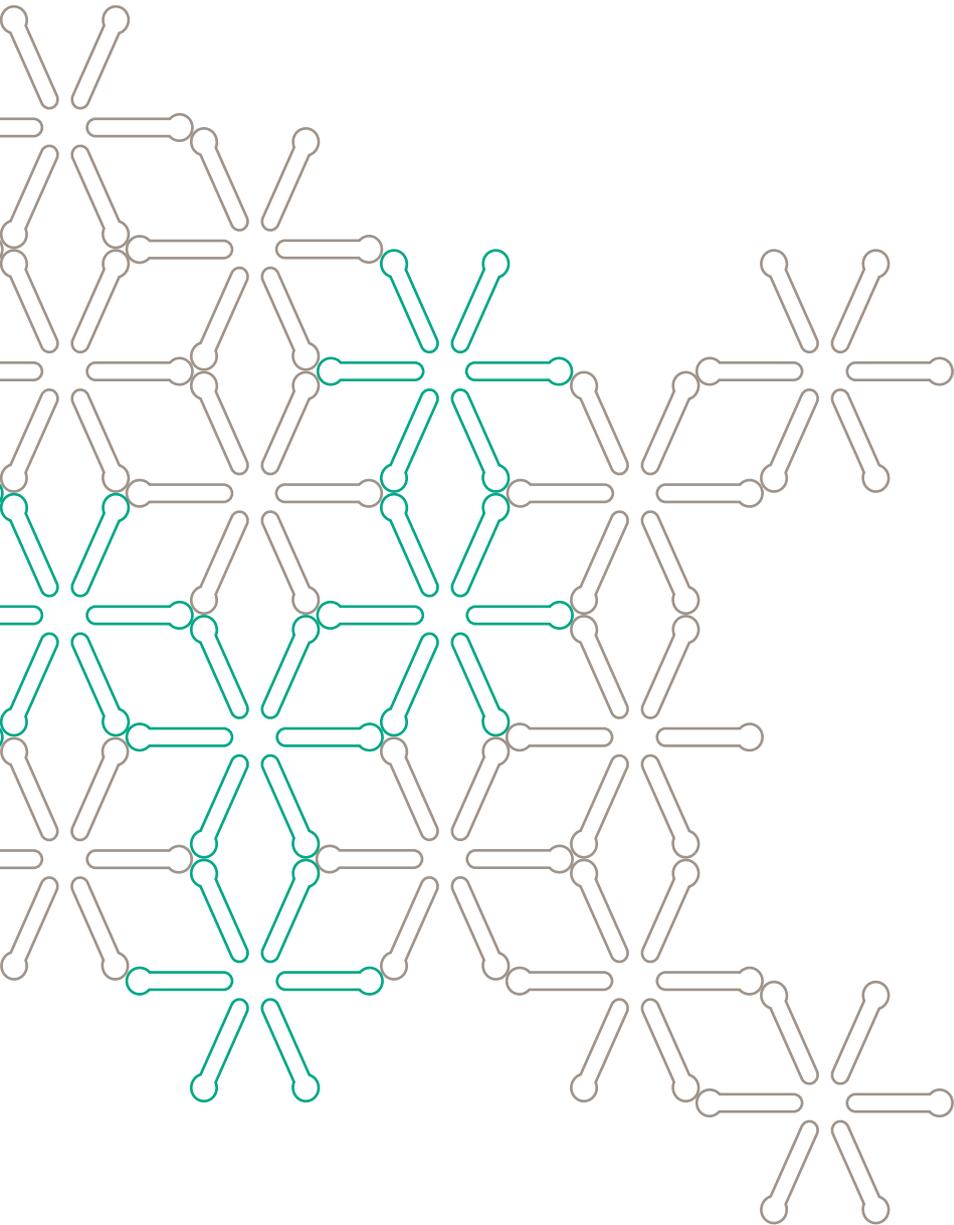
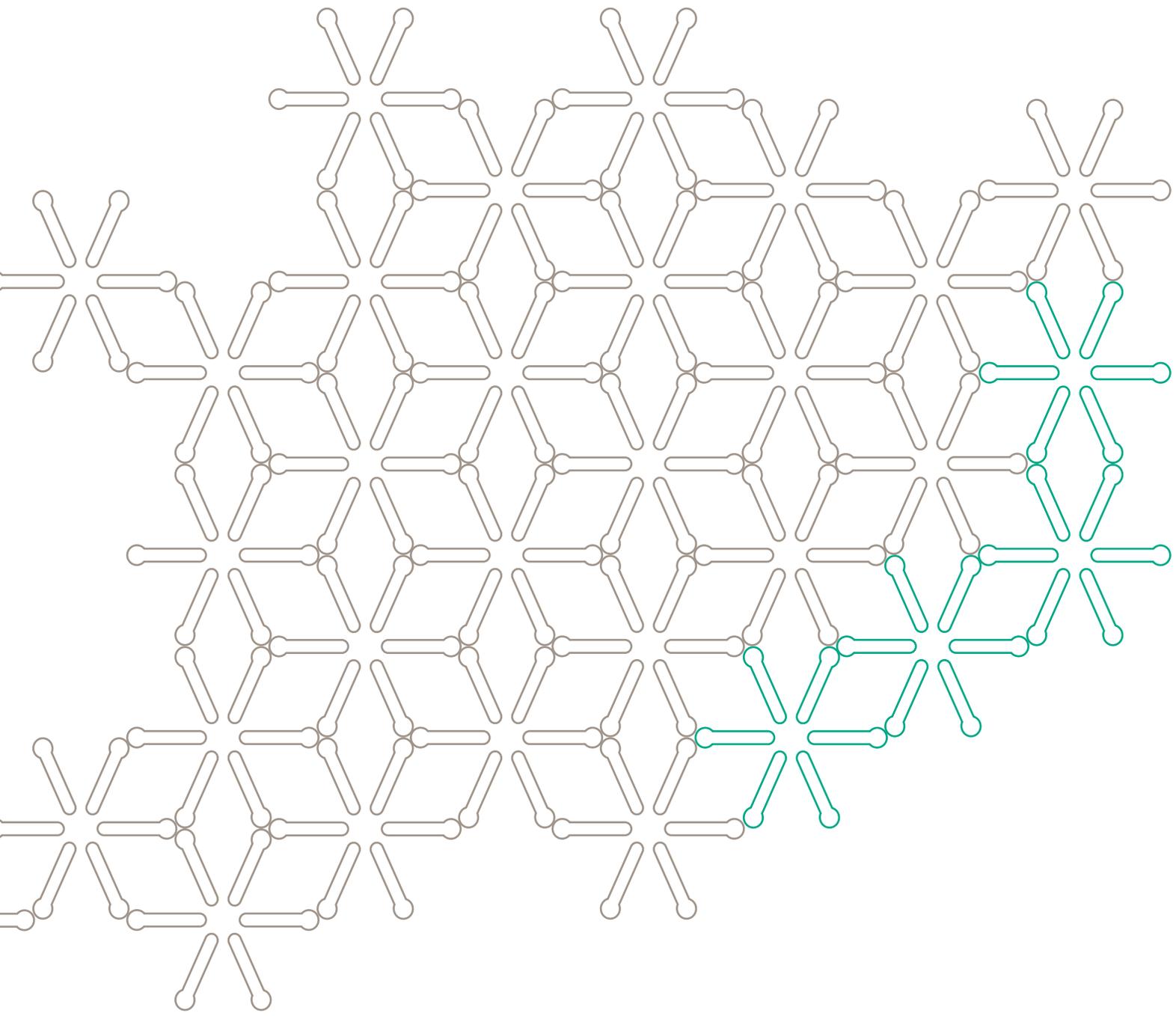


SILICATES



vanBaerle

Better. For you.





Silicates – uniquely diverse

For more than 100 years vanBaerle has produced products on a mineral basis. During this time our company has perfected already proven products and created many innovations. Today, silicates are to be found in numerous products and are important additives for the most diverse branches of industry.

The diversity of applications is impressive. Silicates can be found in welding electrodes, or as a material used for recycling waste paper; they are an important additive in cleaning agents, they bind paints and plaster, they glue materials together, or serve to conserve and for insulation; and the best part is that this portfolio of uses is continually expanding.

We maintain regular contact to our customers, always striving to provide the perfect answer for their multifarious wishes and objectives. In our own company laboratory our experts work to optimize existing products further, as well as to develop entirely new products. Based upon the use of high-quality raw materials, conscientious processing and continuous quality control, products with outstanding properties are created.

Specially adapted silicates enable new possible applications and solutions for solving problems – a not inconsiderable contribution to the business success of our customers. But also in terms of our responsibility for a healthy environment we have set ourselves the target of replacing an increasing number of customary materials with silicates, because as a natural substance (minerals occur naturally in Nature), silicates are ecologically harmless.



Silicates for welding additives

INOBOND – the market leader

- > Comprehensive product range
- > Ideal weldability
- > Innovative
- > Environmentally friendly

INOBOND silicates bind perfectly, minimise the development of smoke and other emissions, are mostly resistant to surrounding dampness, offer excellent possibilities for homogenous addition of components and provide outstanding results. Therefore it's hardly surprising that INOBOND is the most widely-used product in the welding-electrode industry worldwide.

The INOBOND product range is available in a wide range of viscosities and solids content. We consult with the user when deciding upon the best choice of product and its use, and if requested we also develop specially adapted silicates.





Silicates for wide ranging applications

INOSIL – the all-round talent

- > Mineral
- > Environmentally friendly
- > Wide range of applications
- > Reliable

Our quick-change artist INOSIL provides the ideal basis for diverse applications. Variants of the silicate are used successfully in the manufacture of washing agents, for textile dyeing, in foundries, as well as for wall and substrate stabilisation in road and tunnel construction.

The performance of INOSIL products is the result of many years of experience and comprehensive effectivity analyses. INOSIL is convincing because of its simple use and the permanently high quality of results.





Silicates for paints and plaster

INOCOT – building the mineral way

- > Environmentally friendly
- > Permeable to steam diffusion
- > Time-saving
- > Adaptable

By adding INOCOT, silicate paints, plaster and mineral-based building materials are created which accord to the highest demands. Thanks to INOCOT such products can be used at low temperatures, in areas where air humidity is high, on moist substrates, and they cure well even under the most unfavourable circumstances.

INOCOT has an excellent effect on the ecological properties of building materials and their resistance to weathering. Due to its physical properties it also ensures a pleasant climate in interior areas.





Silicates for adhesive systems

SILACOLL – glues differently

- > Mineral
- > Environmentally friendly
- > Permeable to steam diffusion
- > Fire resistant

SILACOLL is one of the outstanding products resulting from van Baerle research. SILACOLL adhesives have a mineral base and are fire resistant, thermally stable and provide outstanding wet adhesion properties.

SILACOLL adhesives are used in the building industry, e.g. for bonding insulating panels to ceilings and walls, as well as for industrial production of fire-protection elements.





Silicates for the paper industry

INOPLEX – far more than just water glass

- > Economical
- > Sustainable
- > High product quality
- > White gain

“Perfecting Paper” We are more than happy to be measured by this ambitious statement. INOPLEX is the optimal special silicate for the preparation of fibrous materials. Intelligent coupling of silicate and auxiliary materials provides increased performance for the entire Deinking bleaching process. Less use of chemicals for a constantly excellent result, increased yield because of reduced loss of fibres, and even whiter paper – INOPLEX combines all advantages.

We provide our customers with comprehensive information for optimal dosing during the process and support them on-site during the preparation and execution of operational trials.





For a lively future – the van Baerle environmental strategy

Silicates are a natural part of our environment; more exactly they form around 70 percent of the Earth's crust. Silicates occur in nature in many forms and with a wide range of properties.

Our synthetically manufactured silicates too have a neutral environmental behaviour. Because of the natural raw materials used in their manufacture – sand, potash and soda – our silicates and their subsequent use is harmless for humans and nature.

They are allowed to be used in drinking water systems. In many cases, e.g. when used for wastepaper recycling or for cleansing products the silicates return to nature in the waste water, or directly into the soil, where they again form a natural mineral product. Therefore our environmental strategy in the field of silicates is simple and based upon two principles: The first principle is continuous development of the use of silicates to enable you, the customer, to replace potentially harmful products in an increasing number of fields. The second principle is our determination to grasp the opportunity to optimize the production process, thereby requiring less energy and water.

Ecological commitment in both business areas – silicates and hygiene – is an essential component of our long-term company strategy. Our high demands are demonstrated by our environmental and quality management which is certified according to ISO 9001 and 14001. In order to be able to follow energy and climate policy targets effectively, van Baerle is a member of the Energy Agency for Industry (EnAW).



As a result of the optimization work already carried out, we have reduced the CO² emissions up until now by almost 800 tonnes per year, i.e. by almost 50%, thereby far exceeding our target objective according to the Kyoto protocol. For the future we even will set even higher standards. During recent years we have been able to reduce water consumption by half, whilst at the same time increasing production.

We took the opportunity provided by the recent major overhaul of our water glass melting furnace at the Münchensteiner (Switzerland) headquarters, for energy optimization. The fourteen cubic metre melting tank which is made from heat-resistant Zircon and fire brick needed five weeks to be completely renewed. The investment was worthwhile not only in respect of reliability in continuous operation, but also because the completely overhauled production plant now consumes more than ten percent less energy than before.



Research and Development

It is not just our active participation in scientific, technical and methodical achievements which make us a highly progressive company. 'Advance' for us at van Baerle means real improvement, i.e. equal concentration on customer satisfaction, environmental friendliness, product performance and service quality.

In our company-own laboratories for research and application technology, highly qualified staff are dedicated to further developing current solutions as well as developing new ones for a wide range of current and future applications for silicates. For particularly specialised fields we also develop individual solutions and exclusive products.

We carefully monitor the movements of the market and nurture our contacts, because it is our claim that we can identify challenges promptly and meet the increasing demands of our ever-changing world. Our stated intention is to provide our customers with products and services which are suited to them, to enable them to simplify their processes and thereby to contribute to their presence on the market and their success.

Owner: Daniel Schenk



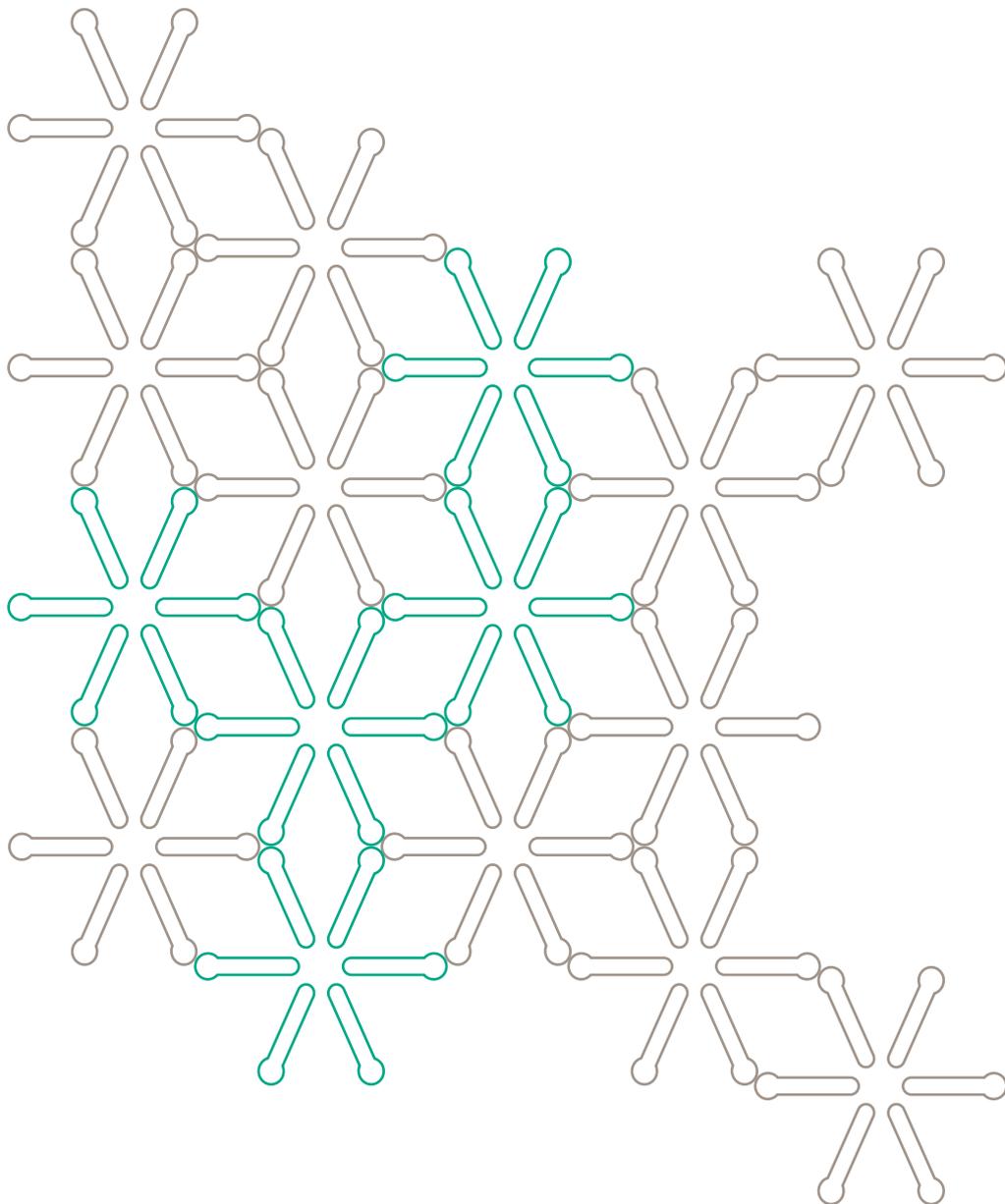
Our company – as reliable as it is flexible

At van Baerle they all come together: awareness of values, competence and a fresh, innovative spirit. van Baerle was founded in 1888 as a soap factory. Just a short time later, parallel production of so-called «water glass» (water-soluble alkaline silicates) commenced – with its almost revolutionary possibilities for use.

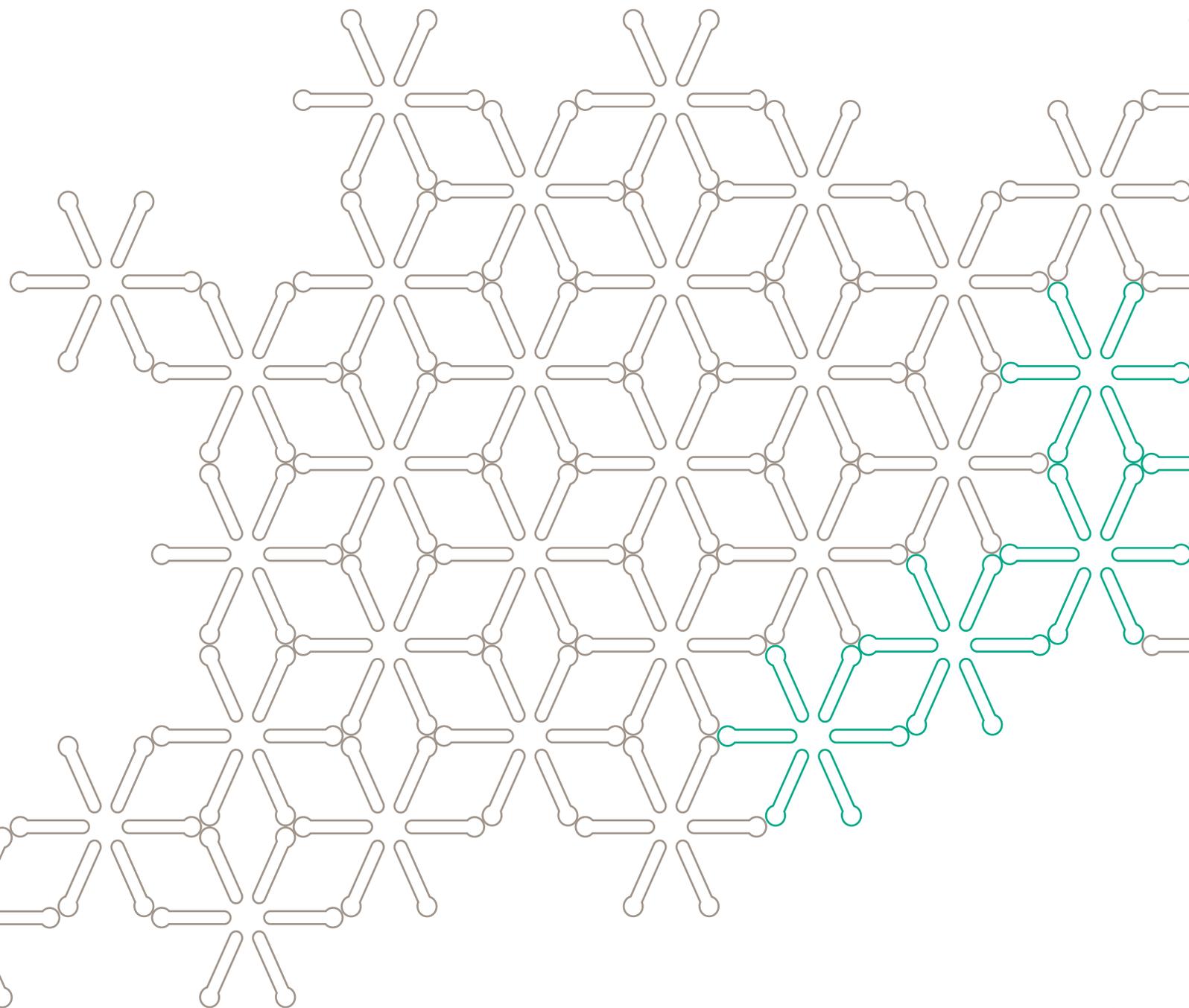
The strategy of having two product lines has kept the company on a double path of success since then. In the meantime, we have become active on three continents and in more than 50 countries worldwide, and offer our customers a wide range of highly effective products in the two sectors of hygiene and silicates. In its silicate business area, van Baerle produces sodium, potassium, lithium and mixed silicates of the highest purity in liquid, solid (block) and powder form.

During our work we always take into consideration commercial and society changes as well as the newest scientific knowledge. Highly qualified staff ensure a sophisticated product range and intelligent solutions, very often for widely diverse branches of industry – also where entirely new solutions must be found. And if despite the existing wide spectrum of our product range a particularly specialised field of application is not covered, we will develop individual strategies and exclusive products together with you.

As a medium-sized owner-led company, van Baerle has flat hierarchical structures and short paths of communication. Paired with meticulous planning and lean logistics, we are particularly reliable in respect of high delivery deadlines and can react to your wishes and orders promptly and individually. We vouch for long-term competent consultation and close contact to the customer. To ensure optimal use of our products and to aid the performance operational trials we offer you comprehensive technical support, and when questions arise we are always more than willing to assist you.



Products bearing the FSC trademark contain wood from exemplarily managed forests.
Certification of the forests is performed according to the requirements of the Forest Stewardship Council.
IMO-COC-028239 © 1996 Forest Stewardship Council A.C.
vanBaerle AG . CH-4142 Münchenstein . Tel +41 61 415 91 11. www.vanbaerle.ch



Neues SQ ICON einsetzen?