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 **Renotech Oy**

MARINE SOLUTIONS

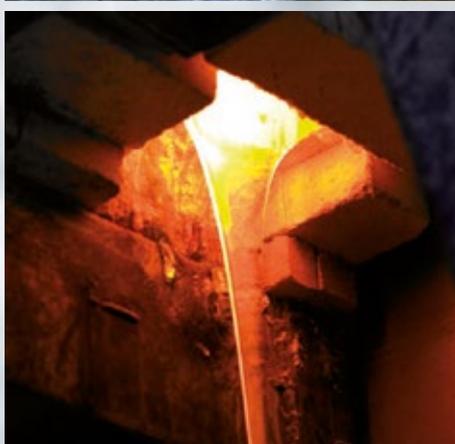
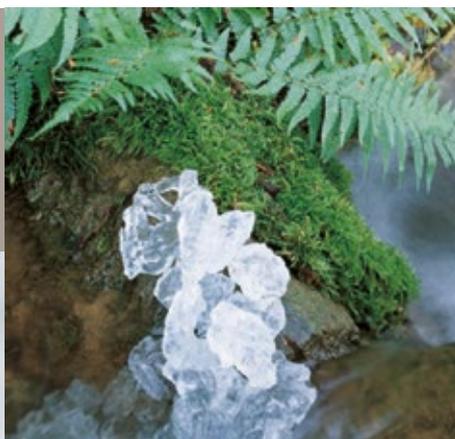
INCOMBUSTIBLE ADHESIVES



vanBaerle

Better. For you.

Better. For you...





Rethinking shipbuilding

SILACOLL - Lighter, faster, safer.

SILACOLL - mineral based adhesives, makes insulation installation easier, safer and faster. SILACOLL makes it possible to achieve the desired performance while simultaneously enabling the customer to provide a safer work environment and finish the ship in time – all while resulting in a lighter vessel.



LIGHTER

SILACOLL mineral glue is applied in a thin layer which equals to a consumption of approximately 350-500g/m². This weight is reduced even further to 280-400g/m² due to water evaporation. When SILACOLL has dried completely, you are left with nothing but the non-combustible adhesion.



SAFER

SILACOLL mineral glue contributes to the safety of both, your employees and your patrons or cargo. SILACOLL creates a safer environment during the construction phase: It is easy to apply and - unlike other application methods - does not involve heat generation or flying sparks. After commissioning of the vessel, SILACOLL contributes to operational safety due to its additional fire protection properties.



FASTER

SILACOLL will help you make shipbuilding faster. With its easy, fast and effective application SILACOLL contributes to the better use of your resources and to a timely delivery of your next project.

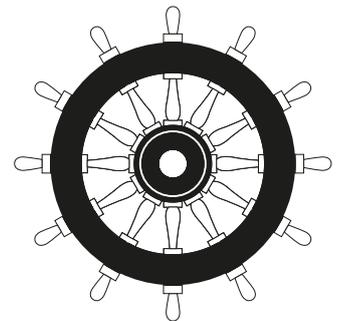
For all kinds of boat types

SILACOLL can help you finish your project in time, ending up with a lighter vessel that leaves more room for patrons or cargo and providing a safer work environment during the construction phase.

IMO-certified

SILACOLL is IMO certified by Italy's RINA in Genova.

SILACOLL 100 and SILACOLL 150 are MED-certified.



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Apply, install, ready to go.

Widespread application spectrum

SILACOLL provides two inarguably striking properties: its instant adhesion and non-combustibility - both in a wide range of applications and on various substrates. As long as the system provides mineral substrates (one of them being absorptive) and is weather protected, SILACOLL will unfold its full potential.

Possible applications include the mounting of isolation panels, the assembly of fire-proof doors, and basically everything else you can think of. Our SILACOLL range is absolutely incombustible (ISO 1182), VOC- and biocide-free, very diffusible (water vapour resistance of 100 μ) and is showing good resistance against many chemicals. SILACOLL is the environmentally friendly option for your shipbuilding process.

Technical Data

Properties	SILACOLL 100	SILACOLL 150
Viscosity	37'500 mPas	6'250 mPas
Instant wet grip	✓	✓
Processing time	< 3 minutes	5–8 minutes
Early strength ⁽¹⁾	1–2 days	5–10 days
Curing time ⁽²⁾	7–14 days	21–28 days

⁽¹⁾ until 50% of final bonding strength is reached

⁽²⁾ until final bonding strength is reached / depending on climatic conditions

Examples of applications



Installation panels mounted on steel walls



Close-up of mounted isolation panels



Thorough testing.

Evidentially resilient

SILACOLL products have undergone and passed the following sequential / consecutive tests before being introduced into production at our partner in Europe:

- Salt spray test (ISO 9227 / 168hrs)
- Aging test (ISO 9142 / 720hrs; 75°C, 90% rel. humidity)
- Vibration test (120hrs)



Vibration test - SILACOLL



Climate chamber used for the aging test

...tailored to your needs

A perfect fit

Our customers are at the center of our attention. The focus of our work is to provide products that optimize your process and add value to your project. SILACOLL has already been successfully tested on different surfaces. However, each project and each substrate is unique. If you need confirmation that SILACOLL works on your specific substrate, we are more than happy to expand our testing scope to ensure that it is a perfect fit for you.



Why vanBaerle?



We discover new fields of application, develop new application technologies and continuously improve our assortment.
INNOVATIVE. FOR YOU.



We produce Swiss products of highest quality.
RELIABLE. FOR YOU.



For over 100 years our experts apply their tremendous knowledge.
EXPERIENCED. FOR YOU.



We tailor our products exactly to your needs.
UNCOMPROMISING. FOR YOU.



We produce and deliver entirely according to your needs.
FLEXIBLE. FOR YOU.



We are always available.
PERSONALLY. FOR YOU.



We are committed to protect people and the environment.
SUSTAINABLE. FOR YOU.

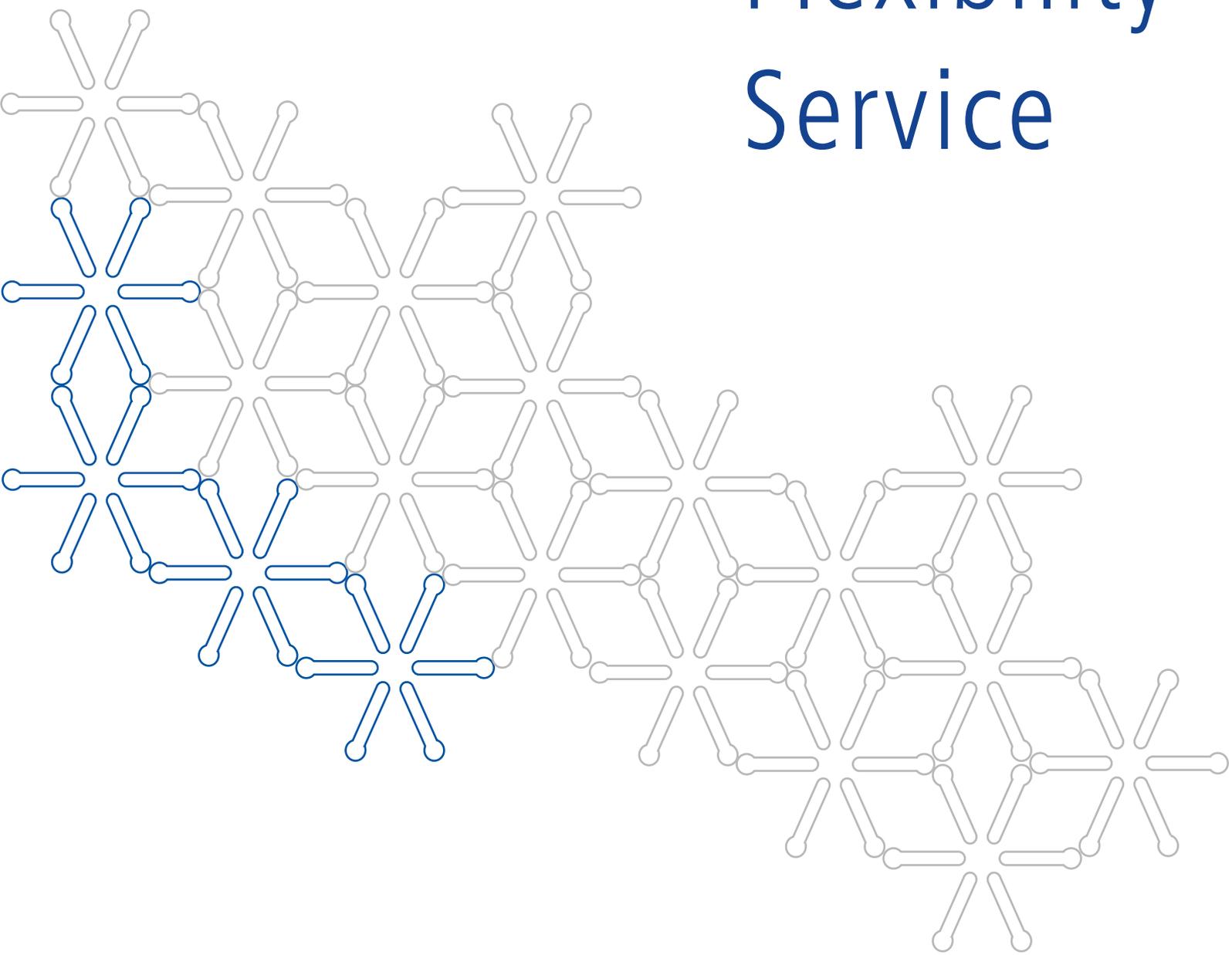
About vanBaerle

vanBaerle is a leading developer, producer and distributor of quality silicates and professional hygiene products and services. We focus on quality and sustainability to provide our customers with safe, eco-friendly and high quality products.

Having transformed basic minerals into valuable products for more than 100 years, vanBaerle is able to tailor its silicate products exactly to your needs. With our vast experience in inorganic chemistry we help to streamline your process while simultaneously optimizing your products' functionality and thus increasing your efficiency. In order to create value for you, we do not only provide top-notch products but also world-class service and technical assistance.

Starting as a soap factory back in 1888, the vanBaerle group quickly evolved into a dynamic and innovative enterprise. Headquartered in Münchenstein, Switzerland we operate subsidiaries in Singapore, Taiwan, the Czech Republic, Germany, France and a joint venture in Slovakia. Our customers are based in 50 countries across Europe, America and Asia. Our approximately 120-strong workforce is the foundation of our success.

Quality
Innovation
Flexibility
Service





Contact

Your SILACOLL contact in Finland:

Renotech Oy

Sampsankatu 4 B

20520 Turku

tel. +358 50 408 6029

email: rt@renotech.fi

www.renotech.fi

