Press release
March 3, 2026

Vicat Sysnergie is expanding its range of bio-based construction solutions with Miscanbloc, a block combining quick-setting natural cement and miscanthus.

Vicat Sysnergie, a subsidiary of the Vicat group, announces the launch of Miscanbloc, a new construction system developed as part of its Biosys brand, dedicated to construction solutions utilizing bio-based materials. Composed of natural quick-setting cement and miscanthus, a locally grown plant resource, Miscanbloc is part of the Group's decarbonization strategy and meets the objectives of RE2020 by promoting the mixing of materials and the storage of biogenic carbon in buildings.

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Innovation promoting sustainable construction

In the context of the accelerated environmental transition of the building sector, Vicat Sysnergie continues to develop **construction solutions utilizing bio-based materials** in order to **reduce the environmental impact of structures** while still **guaranteeing their performance.**
With Miscanbloc, the Group combines **the properties of natural quick-setting cement with a renewable plant component** that allows **carbon to be stored** throughout the life of the building. Designed to be applied in non-load-bearing facades for filling post-and-beam structures, in partitions or insulating linings, **Miscanbloc constitutes a sustainable alternative to traditional solutions.**

Designed to concretely meet the expectations of building professionals, the solution stands out due to its ease of implementation: lightweight, easily cut and built with thin joints, it does not require lifting equipment and is part of a dry construction approach, promoting speed of execution on site. Also suitable for renovation projects and the restoration of old buildings, Miscanbloc allows walls to "breathe" and helps with balanced humidity management, improving the overall comfort of the building.

Miscanbloc: performance adapted to current building requirements
Due to the combination of quick-setting natural cement and miscanthus, Miscanbloc offers:

- Thermal resistance up to 4.0 $m^2.K/W$
- A thermal phase shift of 8 to 10 hours, good for summer comfort
- Natural humidity regulation
- Preserved indoor air quality (with no VOC emissions, classified A+)
- Appreciable sound absorption

These performance characteristics make it a particularly suitable solution for current challenges related to thermal comfort, indoor air quality and energy efficiency.

A closer look at miscanthus:
Miscanthus, a perennial plant grown without fertilizers or pesticides, has a very low environmental impact. Its rapid growth and natural ability to capture atmospheric CO_2 make it a relevant resource for sustainable construction. Once planted, it then regrows every year for more than twenty years.
Grown in the Hauts-de-France region by SARL DELASSUS, it contributes to the structuring of a local bio-based sector and to the agricultural development in France.

A virtuous collaboration between industry and agriculture
Miscanbloc is the result of a unique partnership between the Biosys brand and SARL Delassus, a family farm based in Merville (59), which today devotes 200 hectares to the cultivation of miscanthus.
A dedicated production line, with a capacity of 220,000 blocks per year, is being set up in the immediate vicinity of the miscanthus fields, in order to control the entire value chain, from the cultivation of the plant to the manufacture of the blocks. The benefits of this short supply chain is a reduction in transport requirements, a secure supply, a local bio-based sector structure and a strengthening of the Group's local roots. This production unit is scheduled to go live in the summer of 2026.

"With Miscanbloc, Biosys is enriching its catalog of bio-based solutions in addition to the range of hemp concrete blocks and confirms Vicat Sysnergie's commitment to more responsible and sustainable construction. Through its Biosys brand, the Group has been developing construction systems combining industrial innovation, technical performance and a reduced environmental footprint, contributing to its trajectory towards carbon neutrality across its entire value chain by 2050. This approach also aims to support the evolution of sector practices towards more sustainable and efficient models, in conjunction with the French regions. ", explains **Damien Rogat, Director of Vicat Sysnergie.**

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About Vicat:

VICAT has been a leading industrial player in the field of mineral and bio-based building materials for 170 years. Vicat is a group listed on Euronext Paris (member of the SBF 120 index) and is majority-owned by the founding family. With the ambition of achieving carbon neutrality across its value chain by 2050, the company currently operates in three main business areas: Cement, Ready-Mix Concrete (RMC) and Aggregates, as well as complementary activities to these core businesses. Present in 12 developed and emerging countries, the cement group employs nearly 10,000 people and achieved consolidated revenue of €3.884 billion in 2024. As a company firmly rooted in the regions it serves, VICAT is developing a circular economy model that benefits everyone, innovating daily to reduce the environmental impact of construction.

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