



GREENAGER +



PRODUCTS



*climate-friendly
construction products
and applications*

*"Circularity and sustainability in
construction is not a doom scenario,
but a can-do scenario which then
becomes a bloom scenario"*

**Insulating mortars
circular and/or bio**

**Circular
screeds**

**Fiber insulation,
fiber boards and composites**

**Bio
plastics**



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INSULATING MORTARS AND FOAM CONCRETE



Underlying the success of Greenager+ are a number of cement-bonded insulation mortars, one of the most widely used floor insulations in Belgium. Greenager+ has developed products including Iso-Poly, Isodec Bead, R-pop Max and Ultriso in Belgium and Frinsu insulation and Contifloor 45 in the Netherlands. Greenager+ is now finalising a third generation of mortars, more durable and/or better insulating.

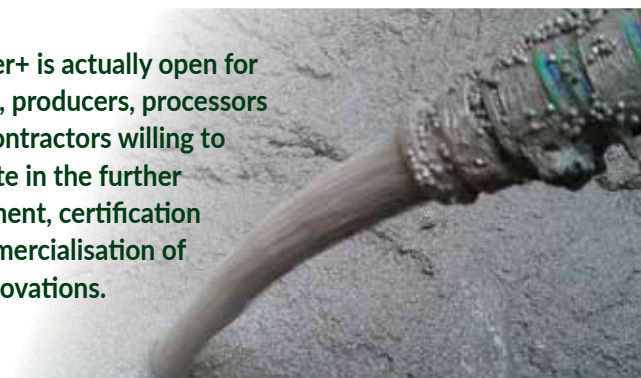
- based on EPS (airpop) and cement: AEROBEAD LL/LE. Mixing in an plant-based aerogel adhesive can significantly improve the insulation value.
- based on grey EPS (airpop) and durable adhesive: ISO-POLY 3.0 Since less adhesive is needed than cement, the insulation value increases further. This insulating mortar is offered with and without the addition of aerogel adhesive.
- BIO BASED based on HENNEP, ELEPHANT GRASS, MAMMOTH GRASS, FIBERS of KIRI WOOD and POPLAR
 - Therm-I-Can (Thermal Insulating Cannabis)
Hennep as filler
 - Therm-I-Grass (Thermal Insulating Grass)
Elephant grass or Mammoth grass as filler
 - Therm-I-Three (Thermal Insulating Three)
using flakes from the Kiri tree and Poplar
(See also: Golden Wood)

These mortars can be offered with lime or bio glue as a binding agent.

- Excellent insulating foam concrete (CFC)



Greenager+ is actually open for investors, producers, processors and/or contractors willing to participate in the further development, certification and commercialisation of these innovations.





100% CIRCULAR SCREEDS

SubstraTon

An innovation by Greenager+ together with BioTerra (Genk)

"From Waste to New Resources"

As the name suggests, SubstraTon (substrate concrete) is a climate-friendly screed. With SubstraTon, the quality requirements of a classic screed are matched with residual flows. This type of screed is made with fillers that, until recently, were considered to be WASTE (street debris, dredging sludge, sewage sludge, crushing sand, slag sand...). The thermal and acoustic value of this screed is even better than traditional flooring. SubstraTon is launched in two versions.

- Based on an ECO BINDER (this binder contains so little Portland clinker that it can no longer be called cement)
- Based on a sustainable lime

The latter version has already been applied in Europe's most circular building at Kamp C in Westerlo (B).



Greenager+ is actually open for partners, processors in particular, to join in this sustainability story.

From Waste
to New Resources



BOARDING INSULATION - COMPOSITE FIBER BOARDS - MODULAR BUILDING SYSTEMS



Together with partners

Together with manufactures of bio binders, bio glue and bio resin, we can offer the construction and furniture industry 100% bio alternatives based on bio adhesives (proteins from plants, citric acid from sugar beet, starch, lignin, and linseed oil) with fibers and/or flakes of hemp, miscanthus, mammoth grass, kiri wood, poplar and residual flows such as straw and roadside grass as filler.

We use blowing systems (floor and wall) and can press them cold and hot into plates and composites.

Greenager+ is also working on a new glue based on proteins from sewage bacteria.

Greenager+ is still looking for partners for the further development and commercialization of the aforementioned applications.

FURTHER INFO:



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