



DERBICOLOR® Olivine



DERBIGUM®
MAKING BUILDINGS SMART

“You can't deal with climate change
without dealing with existing buildings.”

Richard Moe - President of The National Trust



Innovation is a part of our DNA

Sustainable products

Derbigum did not wait for Kyoto.

For more than 20 years now, Derbigum has been intensively engaged in the research and development of new and sustainable products. As of today, the company continues to seek alternative compositions for its products, integrating raw materials that lead to lower CO₂ emissions. Global warming and the CO₂ problem are currently at their peak. In response, Derbigum is proud to present a range of sustainable products. A world first, Derbigum now produces products that are free of solvents and volatile organic compounds (VOCs).

Greennovation

Recycling without any loss of quality

Since 1999 Derbigum has recycled some 4000 ton of bitumen per year. This material suffers no loss in quality – you can compare it to gold which is melted down and recast – and is thus perfectly suited for the production of new membranes. Derbigum strives to realize a 100% utilization of recycled and organic materials during production. This combination ensures that the final product is, in turn, completely recyclable.



60 years durability

Derbigum roofs retire at 60

Whereas other roof coverings need replacing after just 15 years, Derbigum membranes are still going strong after 30 years. The application of a new layer will even increase the lifespan to as much as 60 years! This has been demonstrated by independent studies. After this long lifecycle, the old roof coverings can again be processed into first quality roofing membranes.





The aesthetic and ecological choice

A new trump in the struggle against global warming

Nowadays we are confronted with climate changes all over the world. Because of the high CO₂ emissions due to our activities, the earth heats up faster than normal.

DERBIGUM has been investing for years in the development of innovative ecological membranes so that, together with our clients, we can do our share in the struggle against global warming.

With the development of the Derbicolor® Olivine, we offer the possibility for everyone to contribute to the solution of the CO₂ problem. After all, many a little makes a mickle.

Due to its specific upper layer in olivine, Derbicolor Olivine can neutralize the CO₂ present in the atmosphere and thus contribute to a better climate.

Ecological

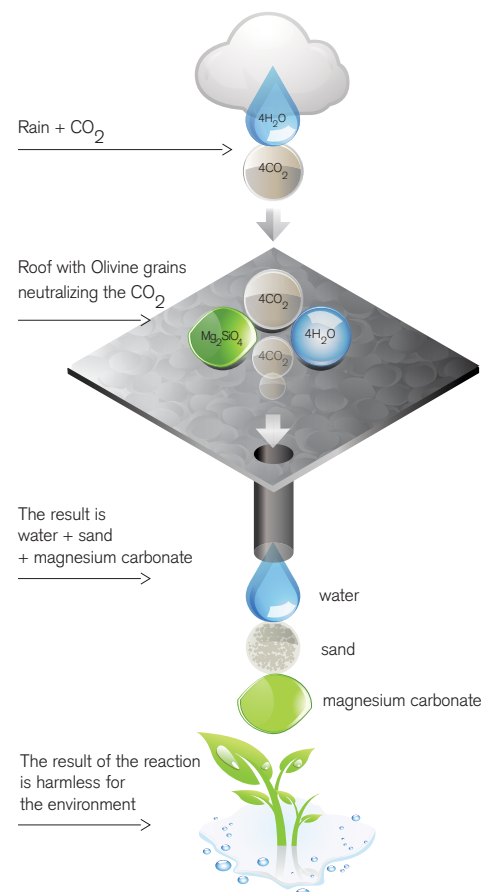
Because of its top layer in olivine the Derbicolor Olivine membrane is an ecological solution. When it rains, the CO₂ present in the atmosphere will come in contact with the olivine on the roof. On this contact, a chemical reaction will take place, neutralizing the CO₂. The residue is made up of silicon dioxide (sand) and magnesium carbonate, 2 products that are harmless to the environment.

1 kg of olivine granulates have the capacity to neutralize 1.25 kg of CO₂. *

The mineral olivine is an iron-magnesium silicate and is one of the most common minerals on earth.

* Source: Prof. Dr Olaf Schulling,
Dept. Earth Sciences
Utrecht University

When the CO₂ makes contact with the olivine on the roof it will undergo a chemical reaction. The final product of this reaction will be evacuated along with the rainwater in the rainwater system and the result of the reaction is harmless to nature.





Advantages

Durable

Derbicolor Olivine is a high quality waterproofing membrane with a top layer in olivine granulates.

Just like the DERBIGUM membranes it is very durable and is 100% recyclable.

The membrane is 7.27 m long, 1.1 m wide and 4 mm thick. It can be applied as a top layer in a one- or two-layer system and can be cold bonded or welded.

Aesthetic

Besides the waterproofing of the roof and the absorption of the CO₂ from the atmosphere, the Derbicolor Olivine membrane also provides an aesthetic aspect.

The finishing layer in olivine gives the membrane an olive green tint.

- Aesthetic
- Proven neutralization of CO₂ from the atmosphere
- Life span of > 30 years
- Easy and quick to apply
- Reduces the ecological footprint of the building
- Positive effect on the environment and the quality of air





DERBIGUM: a green and experienced partner

More than 75 years of experience and know-how

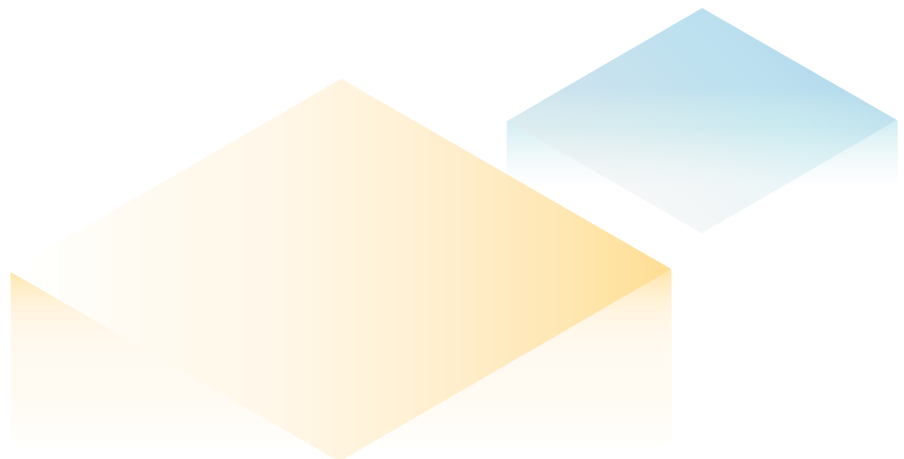
Derbigum began in Belgium as a family business in 1932. Derbigum has grown to become a well-respected global group specialized in roofing and waterproofing. Derbigum is now also very active in greenovation of buildings by offering customized solutions to reduce energy consumptions, produce renewable energy and decrease the carbon footprint of buildings.

A few figures:

- 3 production facilities: 2 in Belgium (Lot & Perwez) and 1 in the USA (Kansas City)
- 380 employees worldwide
- 600 million m² of roofs covered throughout the world
- 10.000 references over 30 years old
- 4000 tons of recycled material per year

A few of our references:

D'leteren - Skyshop Zaventem - University Ghent, campus "De Sterre" - Viangros - Vlaamse Media Maatschappij - Daikin - Volvo trucks - Honda Europe - Creneau - Kim's chocolate - Jogrex - Volvo - Sint-Elizabeth Hospital - Sint-Victorinstituut - Lamborghini car dealer - Novelis - Metro - Henkel Schaumweine - König - Bosch Rexroth - Velux - Smiths Medical - Unicoop - shopping center - Ipercoop - ABB - Henkel - Glaxo - Whirlpool Europe SRL - Italtack - Italscania - Peroni Spa - Telecom - Nexlogic - KPN Orange - Yamaha Motor Distribution - Fokker Elmo - Greif - Industrial packaging - Case - Western Reserve Univ - Carnegie Mellon University - Life Care Hospital - Tumwater Office Building - Baxter Health Care - White Memorial Hospital - Wells Fargo Bank - BMC Truss Manufacturing - Macy's Department Store - Baxter Health Care - Tulsa Zoo - Anheuser Busch, Inc. - Chelsea Foods...





Derbigum provides customized innovative and sustainable solutions for roofs and buildings to save energy and costs, produce renewable energy, increase the sustainability as well as decrease the carbon footprint of buildings.



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