DERBIGUM®
MAKING BUILDINGS SMART

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DERBIGUM DOESN'T WAIT FOR KYOTO!

Development and launch of the new NT® range for a minimal environmental impact

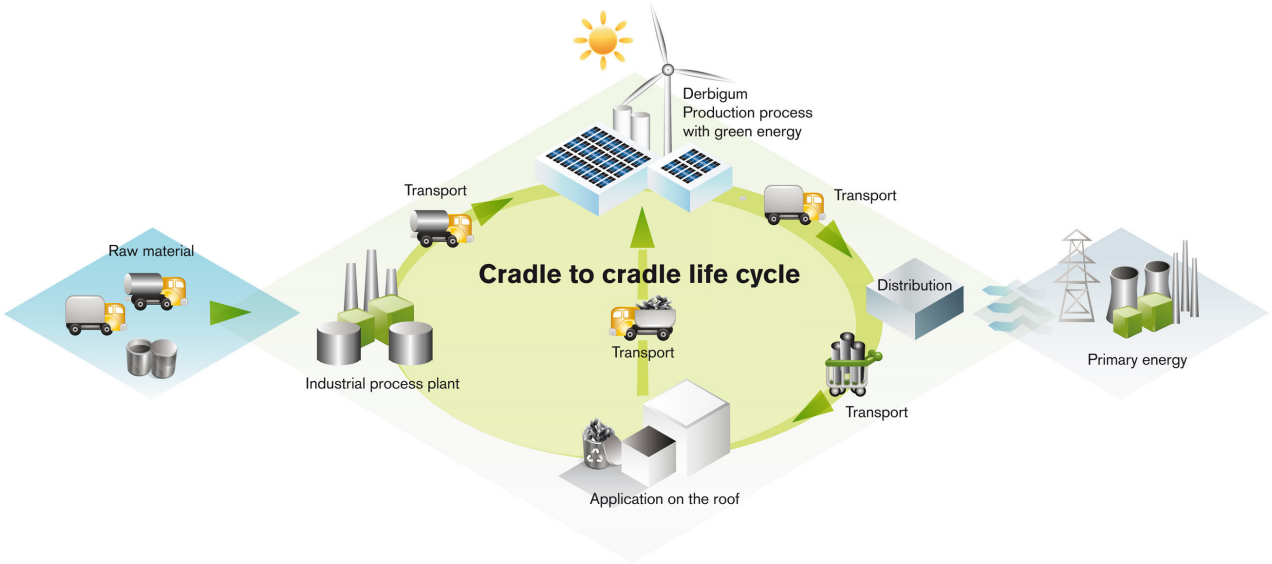
The latest research from the DERBIGUM R&D department have resulted in the development of a new range of sustainable products – the NT range for New Technology. In diminishing the impact of resources depletion, by replacing the volatile organic compounds (VOC) with vegetable oils in its products and using hybrid bitumen from recycling processes, DERBIGUM confirms once again that a sustainable approach with innovative and qualitative products is more than ever the basis of its environmental policy.

SUSTAINABLE PRODUCTS FROM A TO Z

"For more than 20 years DERBIGUM has been engaged in the research and development of sustainable and innovative solutions, from their production to their end of life, with the aim of diminishing their impact on the environment. With a composition based on vegetable oils, the use of recycled material as raw materials and a 100% recyclability, the new NT range combines quality and ecology" says Eric Bertrand, DERBIGUM R&D Manager.

NT products have been submitted individually to a Life Cycle Analysis (LCA) by a group of DERBIGUM experts. The LCA is based on a calculation method conformig to the Norm ISO 14040. Its goal is to determine the environmental impact of a product by taking into account the different stages of the product life: raw material production, product manufacture, transportation, application and end of life.

The results of the environmental impact obtained are submitted to ECOBILAN, the sustainable development department of PricewaterhouseCoopers, which has overviewed and approved the data sources used for the Life Cycle Analysis.



NEW ECOLOGICAL AND SUSTAINABLE COMPOSITIONS

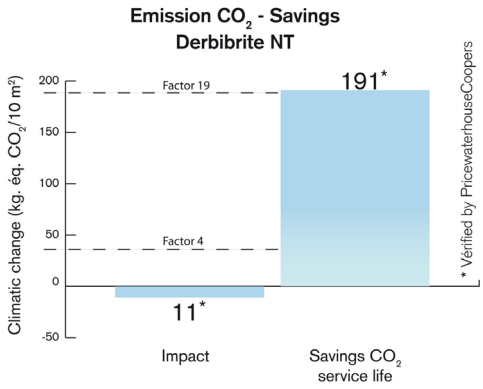
With the NT range, DERBIGUM introduces a new ecological and sustainable products generation, while anticipating the more demanding European directives.
The NT range is based on new compositions which reduce DERBIGUM's impact on the environment:

- no Volatile Organic Compounds: solvents are replaced by vegetable oils
- diminished CO2 emissions
- diminished energy consumption aimed at membranes production
- diminished use of non renewable resources
- membrane durability remains

DERBIBRITE NT®: the white reflective roofing membrane

This membrane with a white reflective surface cools the interior of the building and diminishes the need for air conditioning by reflecting the sun's rays (up to 76%). DERBIBRITE NT performs well beyond the Factor 4* requirements.

Fact: 18 times the Co2 emitted by the production and installation of the DERBIBRITE NT is saved during the lifetime of the product.



DERBIGUM NT®: a new generation roofing membrane

DERBIGUM NT is made of hybrid bitumen obtained partly from recycled roofing membranes. Thus, its environmental impact is lower in terms of natural resources depletion, CO2 emissions and energy consumption.

Fact: during its production and installation DEBIGUM NT consumes 28% less energy and produces 30% less CO2 emissions than a standard bituminous membrane.

DERBICOAT NT®: universal underlayer

This underlayer is made to a specific formula using recycled material.

Fact: during its production and set up DERBICOAT NT needs 29% less energy and produces 18% less CO2 emissions than a traditional roof underlayer.

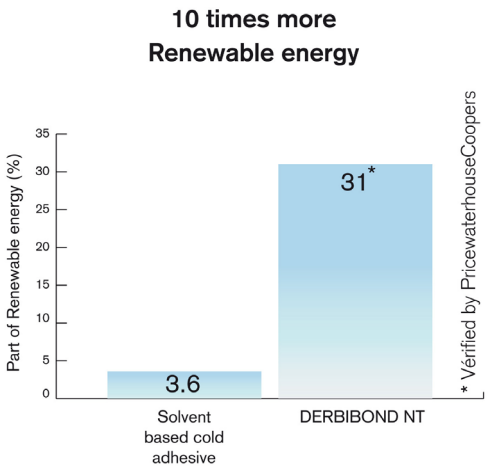
DERBIBOND NT®: bituminous cold adhesive

This bituminous solution is composed of elements of vegetable origins, mixed with mineral filler and organic fibre. It is used to adhere waterproofing membranes and underlayers and gives the roofing system an extra waterproofing layer between the base and the membrane. Its flash point is up to 200°C so it avoids fire risk during installation.

Fact: DERBIBOND NT contains 10 times more renewable energy than its former version.

- factor 4 is a European objective linked to sustainable development in line with the Kyoto protocol. It means doubling wealth while halving resource use.

DERBIBOND NT



DERBICLEAN NT®: cleaning product

DERBIGUM has developed the ecological solution DERBICLEAN NT to remove bituminous stains (and particularly cold adhesives). This product can be applied on DERBIBRITE NT, as well as on other materials, and also for the cleaning of roofing squeegees after bituminous product application, for example.

DERBIGUM NT + DERBIBOND NT: the most ecological solution on the market

Fact: the DERBIGUM NT + DERBIBOND NT system contains 4 times more renewable energy than a standard single-layer system. Furthermore, it produces 19% less CO2 emissions than a single layer and 43% less CO2 emissions than a two-layers system during its production and installation.

DERBICLEAN NT

ABOUT ECOBILAN

Since 1990, ECOBILAN has advised industry and public authorities on the environmental performance evaluation of products and services.
ECOBILAN is recognized worldwide as an innovative leader in the application of the Life Cycle Analysis for technologies, services and products.
The Life Cycle Analysis measures the impact of extensive systems (several industrial operations stages) on the environment, applied to industrial strategy and product conception.
In March 2000 Ecobilan joined the sustainable development department of PricewaterhouseCoopers.

ABOUT DERBIGUM

The Belgian company DERBIGUM is specialised in energy saving and energy producing roofing materials. The company, which started in 1932 as a family-based company active in the waterproofing of roofs and flat surfaces, invests substantially
today in innovative products for durable construction and energy management. At the end of last year DERBIGUM received the Best Innovator Award Belgium 2008. In addition to this the company received, as sole European company, the EMAS Award 2008 from the European Commission for its continuous effort for the preservation of the environment.
The group consists of three production units - two in Belgium (Lot & Perwez) and one in the United States (Kansas City) – and has 380 employees worldwide. More than two third of the production is destined for export. Today, the consolidated turnover of the group DERBIGUM is more than 110 million euro.

For more information: **www.derbigum.com**