



RENEWABLES & MORE

Going Greener with Innovation...

Sustainable Development to make our material more environmentally Friendly

The concept of sustainable development formed the basis of the United Nations Conference on Environment and Development held in Rio de Janeiro in 1992.... Sustainable development was the solution to the problems of environmental degradation discussed by the Brundtland Commission in the 1987 report Our Common Future: "a development that meets the needs of the present without compromising the ability of future generations to meet their own needs".

Our Responsible Action Plan is to go towards a Greener and Sustainable Coating Industry.

- We work on new sustainable technologies, new processes and pathways to contribute to a more sustainable world.
- We research to develop chemical solutions and processes reducing the use of hazardous chemicals and emissions to protect our complete production chain, from our employees to our Customers and the environment.
- We are moving from Fossil based to Bio-Based raw materials, where it is possible.
- We concentrate our efforts in contributing to move away from a liner economy towards a circular economy in which end products are recycled and re-used. Our ultimate goal is to reduce consumption of resources, reduce waste and become increasingly efficient and sustainable.



Novotex Bio-Based portfolio products

Our bio-based products portfolio comes from the use of Bio-based polymers made from renewable feedstocks obtained indirectly from a transformation process of the plants (crops).





They are based on carbohydrates (sugars) as found in vegetables such as corn, sugar cane, sugar beet, castor oil which, as far as we know, do not impact on the sustainable management of natural resources and consequently on the food supply chain.

They undergo a transformation into bio-based equivalents of our standard building blocks.

The advantage of this process is that the chemical characteristics of the bio-based raw materials are exactly the same of the fossil-based ones. Consequently, they can easily substitute the existing raw material building blocks without any modifications in the production process.

Our range is made by different available polyester polyurethane and additives to be used in coating and coagulation production, solvent and waterbased. The content range in biobased materials may vary from 50% to 80%.

All our grades have at least the same performances as their fossil based equivalents.

We offer:

- •PES-based grades for both coating and coagulation.
- •PE-based grades for coating.

Available grades include adhesives and high solid (butoxy-free).

The use of bio-based products, which are produced from renewable resources, will lead to a more sustainable society and will help us to be an active part in solving global environmental and waste management problems.

