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**25 November 2024**

**Symphony Environmental Technologies Plc**

**("Symphony", the "Company" or the "Group")**

## **New Product Launch**

**"NbR" Natural/Biodegradable Resin**

Symphony Environmental Technologies Plc (AIM:SYM), the global specialists in technologies that make plastic and rubber products smarter, safer and more sustainable, is pleased to announce a new natural and biodegradable resin, branded NbR. It is suitable for a wide range of packaging products and for agricultural mulch-films.

This technology was first developed by Symphony in 2011, but due to increased focus on reducing fossil resources in plastics, our early formulations have been upgraded during 2024, and NbR is the result.

NbR is made with natural minerals to reduce the amount of fossil-derived polyethylene or polypropylene used for making plastic products. The products will also biodegrade safely in nature without leaving microplastics if they escape recycling and end up as litter in the open environment.

When NbR is used instead of normal PE or PP resins it will reduce the amount of fossil-derived plastic in the product by 20%, as well as cutting CO2 emissions.

NbR resin is a solution for customers who are urgently looking to reduce their use of fossil-derived plastics with no material cost increase, and to reduce their impact on the environment.

The [global resin market size](#) for which NbR is suitable was valued at \$556.00 billion in 2023 and is projected to grow to £859.27 billion by 2032, at a CAGR of 5.0%.

NbR technology is consistent with EU and FDA-USA Packaging Food Contact Regulations, and products are tested for biodegradability and non-toxicity according to international Standards.

The CEO of Symphony, Michael Laurier commented that: "This is a major innovation as it will make an environmental difference by reducing the fossil-derived content of plastic products by 20%, and cutting CO2 emissions. Like ordinary plastic products, a product made with NbR can be recycled and made with recyclate, but it will biodegrade

within months, without leaving microplastics if exposed in the open environment, instead of lying or floating around for decades.”

“Trade marks are being applied for, but in line with our strategy, no patent applications will be made in order to protect the confidentiality of our formulations.”

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NOTES TO EDITORS:

About Symphony Environmental Technologies plc

#### SYMPHONY'S BUSINESS

Symphony has a diverse and growing customer-base and has established itself as an international business with over 70 distributors around the world. Products made with Symphony's plastic technologies are now available in nearly 100 countries and in many different product applications. Symphony itself is accredited to ISO9001 and ISO14001.

Symphony is a founder-member of The BPA ([www.biodeg.org](http://www.biodeg.org)) and participates in the Committee work of the British Standards Institute (BSI), the American Standards organisation (ASTM), the European Standards organisation (CEN), and the International Standards Organisation (ISO).

Further information on the Group can be found at [www.symphonyenvironmental.com](http://www.symphonyenvironmental.com) and twitter @SymphonyEnv See also Symphony on Instagram. A Symphony App is available for downloading to smartphones.

In addition to NbR, Symphony has the following range of products:

#### D2W TECHNOLOGY

Symphony has developed a biodegradable plastic technology which addresses the problem of persistent microplastics, by turning ordinary plastic at the end of its service-life into a waxy substance which is biodegradable. It is then no longer a plastic and can be bioassimilated in the open environment in a similar way to a leaf without leaving microplastics behind. The technology is branded d2w® and appears as a droplet logo on many thousands of tonnes of plastic packaging and other plastic products around the world, much of which has been recycled. In some countries, oxo-biodegradable plastic is mandatory for short-life plastic products.

#### D2P TECHNOLOGY

Symphony has also designed a range of masterbatches for making plastics products, to protect against bacteria, viruses, fungi, insects, rodents, odours, and fire. See [www.d2p.net](http://www.d2p.net)