

PRESS RELEASE

Isoexter-E, COIM's biobased polyols used for the production of insulation materials can reduce their global warming potential by up to 93%.

Milan, 26.3.2024 - **C.O.I.M. S.p.A.**, a world leader in the chemical industry, has analysed the sustainability of the biobased polyols in the Isoexter-E range.

“The European building industry has been working actively for decades to find ways to make buildings more energy-efficient. Recently, there has been a growing focus by the supply chain on using sustainable building materials to achieve these efficiency goals. COIM, a leader in developing eco-friendly solutions from recycled and biobased materials, has taken a significant step forward by conducting a Life Cycle Assessment (LCA) of its biobased solutions in the Isoexter-E range, used in the manufacture of polyurethane insulation materials. Our analysis confirms that we can replace fossil-based polyol with a biobased alternative without changing the properties of the final product. This means we can offer our customers a drop-in solution, and we have also determined that our products can reduce Global Warming Potential (GWP) by up to 93%,” **Alessandro Gallipoli, COIM’s Isoexter R&D Manager** explains.

The potential environmental savings in terms of Global Warming Potential (GWP) have been calculated using a Life Cycle Assessment (LCA), comparing COIM’s data with findings from a [study by PU Europe](#)¹, the European association representing the polyurethane (PUR/PIR) insulation industry. This study determined the average environmental impact in Europe of the polyols used in insulation material production.

“This study also has significant implications for our customers. They can now incorporate the data obtained from COIM into their Environmental Product Declarations (EPDs²), achieving CO₂ savings on their products that were previously unattainable. This allows them to clearly communicate the benefits of our biobased solutions to the end market through their insulation products,” explains **Andrea Stefani, COIM’s Isoexter Marketing Manager for Europe and the Middle East**.

COIM’s commitment to product sustainability was not determined by means of the “mass balance approach and allocation” method, where recycled or biobased material content is allocated to a given product based on credits, regardless of whether the end product contains that content. The alternative method used focuses on the actual biobased content and lifecycle of our solutions.

¹ Eco-profile of Aromatic Polyester Polyols (APP), PU Europe, June 2021

² Environmental Product Declaration

C.O.I.M. S.p.a press office: Origgi Consulting S.r.l.

Manager: Daniela Origgi

d.origgi@origgiconsulting.it - Mob. (+39) 347 1729113

COIM press office team:

pressoffice@origgiconsulting.it - Tel. (+39) 039 2307137



C.O.I.M. S.p.A.
CHIMICA ORGANICA INDUSTRIALE MILANESE
www.coimgroup.com

Sede legale e amministrativa:
20090 Buccinasco (MI) - Italia
Via delle Azalee, 19
Numero R.E.A. MI-706575 - N. Mecc. MI 027496
Trib. Milano Reg. N. 128783 - Capitale Sociale € 5.572.800

Tel. +39 02 335051
Fax +39 02 33505250
Partita IVA/Codice Fiscale: IT 00798810156

Stabilimenti e sedi secondarie:
26010 Offanengo (CR) - Italia
Via Ricengo, 21/23
Tel. +39 0373 248.1 r.a. - Fax +39 0373 789222
Numero R.E.A. CR-159324

26817 San Martino in Strada (LO) - Italia
Via privata Fabrizio De André, 24
Tel. +39 0371 942800 - Fax +39 0371 942819
Numero R.E.A. LO-2544771



UNI ISO 45001:2018
UNI EN ISO 14001:2015
UNI EN ISO 9001:2015



SISTEMA DI GESTIONE
QUALITÀ CERTIFICATO



“This approach means that our customers can accurately incorporate our solutions into their Environmental Product Declarations (**EPDs**³), meeting the industry’s demand for sustainable solutions, backed by thorough, transparent analysis and data,” concludes Andrea Stefani.

* * *

C.O.I.M. S.p.a. is the brainchild of Mario Buzzella and Cesare Zocchi, two entrepreneurs driven by the same passion for chemistry, who founded the company in 1962 to meet the increasing demand for chemicals resulting from a booming economy. 62 years later, COIM Group is an Italian multinational company that develops, produces and sells chemical specialties for the manufacturing industry worldwide, guaranteeing a local presence through 19 companies - of which 9 specialized production and R&D sites - in Italy, Singapore, India, USA, Brazil, Spain, Austria and the Netherlands.

Over 1,350 specialised collaborators are committed to meeting customers’ expectations with three main product families:

1. Polyesters and polyols;
2. PU Case: coatings, adhesives, sealants, and polyurethane-based elastomers;
3. Polyesters and special resins.

COIM can meet technical, commercial, and logistics needs of customers located in 90 countries for a turnover of 1 billion euros. This is possible thanks to its integration of raw materials, focus on polyurethane systems, a wide and diversified offering - 18 product ranges from polyesters to PU systems -, and a large production capacity.

COIM focuses on continuous and sustainable development based on corporate values, such as care and respect for people and the environment.

www.coimgroup.com

Press Office C.O.I.M. S.p.a.: Origgi Consulting S.r.l.

Press contacts:

Daniela Origgi - d.origgi@origgiconsulting.it - Mob. (+39) 347 1729113 - Tel. (+39) 039 2307137

³ Environmental Product Declaration

C.O.I.M. S.p.a press office: Origgi Consulting S.r.l.

Manager: Daniela Origgi

d.origgi@origgiconsulting.it - Mob. (+39) 347 1729113

COIM press office team:

pressoffice@origgiconsulting.it - Tel. (+39) 039 2307137