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Disruptive reactive extrusion-molding technology for thermoset polyurethanes to provide high performance and sustainable construction plastics

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Construction polymer materials face the biggest challenge ever since fighting Climate Change is a priority for governments. The use of renewable resources and circularity of materials, the high performance regarding durability and contribution to reduction of energy expenditure on building and houses, the safety of chemicals and absence of additives, as well as the reduction in energy in their manufacturing are today very important market drivers for construction: the 2nd most important market for plastics. Moreover, during last decades, no disruptive technologies have risen to provide sustainable construction plastics at large scale and plastics manufacturers use old technology with just very small innovations. In the mentioned context, EXTRU-PUR is a simple, robust, efficient and versatile technology that will disrupt with high performance and sustainable construction plastics made from Thermoset Polyurethane for first time.

Biography

Pablo studied Chemistry in the University of Barcelona, holds a Master in Polymers in the International University of Menendez Pelayo with a broad and multidisciplinary background in Production, Quality and R&D. He joined important multinationals (BASF, Merck), the most prestigious Spanish Research Centers (Institute for Polymer Science & Technology-CSIC, University of Barcelona) and Innovative SME's. During his career, multiple experiences in different sectors have resulted in disruptive ideas sustainable products made from Polyurethanes focusing on Construction market. After 12 years involved in R&D projects, Pablo founded INDRESMAT, which has recently received LIOF-LBDF and SME Instrument Phase-1 grants to develop EXTRU-PUR.

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