

| | |
|----------------------|--|
| FIELD | Packaging and unit loads |
| SUB-FIELD | Solutions for decarbonization |
| CATEGORY | Packaging made from recycled material |
| SOLUTION NAME | Lucart & CPR case: recycled plastic pallet |
| APPLICATION | Conad, Newpal; CPR System; Lucart |
| DESCRIPTION | <p>In 2019, Lucart and CPR System collaborated to create Newpal, a company dedicated to the production of pallets made from secondary raw materials from the post-consumer processing of poly laminate beverage cartons. Newpal has set up a low-pressure moulding plant at its plant in Gallo (FE) in 2023, capable of producing up to 250,000 pallets containing 70% recycled poly laminate material.</p> <p>The production process involves:</p> <ul style="list-style-type: none"> - the collection of beverage cartons by Lucart; - the separation of the cellulose component, used for the production of recycled paper; - the recovery of the polyethylene and aluminum parts, transformed into granules for the production of pallets; - the addition of secondary raw material from recycled polyester resin and fibreglass matrix composites to ensure greater strength and durability of the pallets. <p>Pallets made through Newpal's moulding process and named Noè are used by Conad and are managed by CPR in its interchange system. The initiative aims to replace wooden pallets with pallets made from poly laminates, offering a sustainable solution and addressing the challenge of expanding the collection and recycling of poly laminates. The granules not used during the pallet creation process are given to other supply chain partners for the production of dispensers/containers which, together with Lucart's recycled paper, form a fully recyclable system at the end of its life.</p> <p>The Noè pallet is robust and efficient for all logistics systems, has a retaining border to give the load greater stability, is equipped with an RFID tag for traceability, and is washable, sanitisable and recyclable at the end of its use.</p> |
| OBJECTIVES | <ul style="list-style-type: none"> - Reducing emissions; - Increase the recycling of post-consumer and post-production waste material; - Increase pallets' ease of washing and sanitising; - Improving robustness and efficiency of pallets for all logistics systems; - Ensure traceability; - Improve load stability |
| BENEFITS | Compared to the purchase of conventional wooden CPR pallets, a reduction of 4.5 mln kg of wood per year is achieved |

| | |
|-------------------------------|---|
| SECTOR | GDO (Large Organized Distribution) |
| YEAR OF IMPLEMENTATION | 2023 |
| FIND OUT MORE | https://www.newpal.it/wp-content/uploads/2023/07/CPR_Rev3_Scheda-informativa-Pallet-Plastica-Riciclata-PR12.pdf |