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SIG launches Terra Alu-free and full barrier packaging material

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SIG has launched the first 1-litre aseptic carton packs made of SIG Terra Alu-free + Full barrier packaging material, which are now available on shelves. It is the worldâ??s first full barrier packaging material for aseptic cartons without an aluminium layer, further reducing the already low carbon footprint of standard SIG carton packs.

Following the success of this packaging material innovation in the field of single-serve aseptic cartons, SIG is now expanding the alu-free option into the juice category and a multi-serve format for the first time. In a first step, ALDI will offer grape juice under its brand Rio d'oro in this innovative packaging solution in parts of Germany, thereby reducing the carbon footprint of conventional multi-serve cartons by 29 per cent. The products are produced and filled at the Italian beverage and food producer Quargentan, utilising its existing SIG Midi 12 Aseptic filling machine with full performance.

SIG Terra Alu-free + Full barrier offers the same full barrier protection as standard SIG aseptic carton material and the same shelf life of up to 12 months. The packaging material is available globally at scale and can seamlessly run on existing SIG filling lines, including high-speed capabilities of up to 24,000 packs per hour for small-size cartons and 15,000 packs per hour for multi-serve formats. With only minor adjustments required to existing filling machines, this is a plug-and-play solution for brands and manufacturers seeking to make a rapid transition. Customers also benefit from the renowned flexibility of the SIG filling lines. Switching between packaging material without an aluminium layer and standard packaging material is quick and easy at any time.

â??At SIG, one of our goals is to increase the paper content in our aseptic cartons to at least 90 per cent â?? including the closure â?? by 2030, allowing further reduction of carbon emissions, and creating a regenerative food packaging system. On the way there, we have developed this packaging structure that is made of more than 80 per cent paper and reduces the number of raw materials from three to twoâ?•, said JosÃ© Matthijsse, President & General Manager Europe at SIG. â??This breakthrough innovation has the potential to streamline the recycling process for aseptic cartons, only requiring the separation of paperboard and polymers.â?•