

Practice to be assessed and included in the Guidelines

**Number/code:** OM/SM24

**Title:** REVET RECYCLED PLASTIC SEATS

**Guidelines section:**

<input type="checkbox"/>	Governance	<input checked="" type="checkbox"/>	Operational management		
		<input type="checkbox"/>	<i>Context of the event</i>	<input type="checkbox"/>	<i>Procurement</i>
		<input type="checkbox"/>	<i>Event</i>	<input type="checkbox"/>	<i>Mobility and logistics</i>
		<input checked="" type="checkbox"/>	<i>Stadium management</i>	<input type="checkbox"/>	

**Description:**

It is quite common for stadium’s managers to replace a significant number of seats after every match. Seats are made from plastic and tend to be not very resistant thus supporters easily break them during matches.

Revet Recycling has recently launched the initiative “Re-sit down and jump for goal!” aimed at realizing stadium’s seats realized in recycled plastic.

Thank to this project, 3,000 seats of the Pontedera’s stadium (a football team playing in the Italian Legapro) will be substituted with seats partially realized from recycled plastic (30%-40%). The recycled material is named “plasmix” and is realized from plastic containers (flacons, bottles, caps, lids etc.) recovered and recycled thanks to the separate waste collection system of Tuscany.

The realization of this innovative seat is the result of an ambitious R&D project carried out by Revet in cooperation with Omsi, a leader company in the production of stadium’s seats. The main challenge was to find the proper combination of recycled and virgin plastic materials in order to ensure the fulfilment of the FIFA’s flameproof seats requirements. Eventually, the final prototype has passed both the mechanical and flameproof checks and is ready to enter the market.

Revet is trying to optimize the production process in order to lower the final price that is still higher than the regular 100% virgin plastic seat’s one.

**Environmental benefits:**

This project reduces the withdrawal of raw materials from the environment of about 30%-40%, minimizing the environmental impact of the oil industry - emissions deriving from its extraction, processing and transport. Furthermore, using 30% or 40% of recycled mixed plastics doubles the self-life of these materials, taking them away from the final disposal (energy recovery or landfill).

### **Economic benefits:**

Virgin raw materials are subject to speculative dynamics and are particularly affected by schizophrenic and unpredictable fluctuations in the cost of oil, which prevent any long-term expenditure planning. Revet Recycling guarantees constant prices over time for its recycled polyolefin granules, because it reintroduces post-consumer flows of materials that are totally independent of oil price dynamics.

### **Applicability and replicability potential**

Every stadium could start substituting its seats with seats made from recycled materials. However, right now, Revet Recycling is the only known producer of such a type of seats thus, it may have production limits. Furthermore, the farther the stadium from Tuscany, the higher the CO2 emissions due to seats transport thus, it could be reasonable to arrange big orders with the aim of optimizing logistics' environmental impact.

### **Source**

[www.revet.com](http://www.revet.com)

[www.omsi.it](http://www.omsi.it)