

From fish box to civil engineering



For the last 10 years, [Utilbox](#) has been managing Expanded Polystyrene (EPS) waste collecting at the generation points and transporting to its recycling plant.

They currently recycle around 130 tonnes of EPS waste per year from the industrial, construction, household and distribution sectors.

At its plant in Chiclana (Cádiz), Utilbox recycles around 270,000 EPS fish boxes, which means more than 730 boxes per day, removing EPS waste generated at its customers' facilities, such as fish processors plants, ports and fish markets, free of charge. In the picture you can see how the high committed customers return the boxes to the facilities, perfectly clean, sorted on pallets and well packaged for their perfect recover.



The complete recycling process is: firstly, classification by origin, density, cleanliness, and use, to obtain the best final application. Once classified, they are subjected to crushing in different stages, to finally incorporate the obtained material into new applications of expanded polystyrene for construction and civil works, as well as other non-food uses.

Waste that is not suitable for reincorporation into EPS manufacturing again, is compacted to optimise its transport and to be used in GPS extrusion processes by other recyclers.

Stage 1: Classification



Stage 2: Crushing or grinding



Stage 3: transformation into a new product with % of recycled material

