ITULA & THE ENVIRONMENT

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Production

Itula Oy actively seeks to reduce wastage and the amount of waste generated. The aim is to use all pallets and packaging materials for the parts and materials used in the production for packing outgoing products, thus avoiding unnecessarily purchasing packaging materials and generating packaging waste.

The flow tubes in our panels are made of copper pipe. Copper arrives at our factory in cardboard coils packed on wooden pallets. The tubes are manufactured for storage with special bending machinery. The quality of the project-specific metal cassettes is checked in the assembly, after which they are assembled. If the product is perforated, felt is cut to cover the bottom of the cassette to improve the acoustic properties. The felt comes with adhesive so it is attached to the cassette as it passes through the heat source.

The graphite and copper tubes are joined together with a glue board compactor. The panel is completed when brackets that support the structure are fastened to the panel model with rivets

The finished panel is transferred through quality control cameras to the packing department, where the products are packed in the same wooden boxes in which the cassettes were delivered to the factory. Cardboard is placed between the products to prevent scratching during transport. A plastic sheet is placed on top of the box to protect the product during outdoor transport. The plastic sheet is the same one that was delivered with the cassette boxes. Plastic straps are tightened around the boxes to ensure that the packaging remains intact during transport.

Packaging

ItuGraf and ItuString+ panels are delivered in boxes made of ISPM 15 compliant wood. Individual pieces can also be delivered wrapped in cardboard on a EUR pallet. Wooden boxes are protected from the elements with a plastic film. There is a strip of cardboard between the panels to protect the surfaces. Wooden boxes are assembled using nails and screws. The delivery weight of the packages per delivery depends on the type of product being delivered.

Materials

The materials used in the panels depend on the product type. The table below shows the proportion of different materials in the ItuGraf 35x595x2990 panel (total weight 17.4 kg).

Material	Proportion
Steel	73,1 %
Copper	15,9 %
Graphite	11 %

Reuse

ItuGraf and ItuString+ panels can be removed and reused without breaking the product.

Recycling

Since 2020, the recycling rate in construction sites in the EU has been at least 70%. It is generally possible, through recycling and waste management operations, to sort hazardous waste, waste from the site office and social facilities, wood waste and wooden pallets, cardboard and plastics, metal waste, gypsum board waste, insulation material, waste that can be used for generating energy, concrete and bricks.

The table below shows the materials used in the panel deliveries.

Product	Recycling method	EWC code
Wooden	Wood recycling	17 02 01
packaging		15 01 03
Cardboard	Cardboard	15 01 01
in packaging		
Polyolefin	Plastics recycling	17 02 03
protective films		
Plastic strap	Plastics recycling	15 01 03
Polystyrene	Plastics recycling	15 01 03
foam sheets		
Copper	Metal recycling	17 04 01
ItuGraf /	Metal recycling	17 04 05
ItuString+		17 04 07
panels		
Metal strap	Metal recycling	17 04 05
Insulation -	Plastics recycling	17 02 03
recycled polyester	. 3	
Insulation -	Residual waste or	10 11 03
glass wool	mineral wool	

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