

# TRI MO



INSTRUCTIONS FOR THE TREATMENT OF WASTE QBISS ONE PANELS  
INSULATED WITH MINERAL WOOL AND PACKING MATERIALS

# 1. INTRODUCTION

Qbiss One element consists of two galvanised and pre-finished steel sheets. The pre-finished steel sheets are bonded to the element core which is made of non-combustible mineral wool.

Qbiss One is distinguished by the unique rounded corner. This is a unique solution, enabled by the highest automated technology and patented solutions.

## 1.1. The composition of the product with packing (protective) foil



Fig. 1: Qbiss One panel

Panel composition:

- Protective PE foil
- Thin sheet metal
- Polyurethane adhesive
- Mineral wool
- Polyurethane adhesive
- Thin sheet metal
- Protective PE foil

## 1.2. The composition of packaging

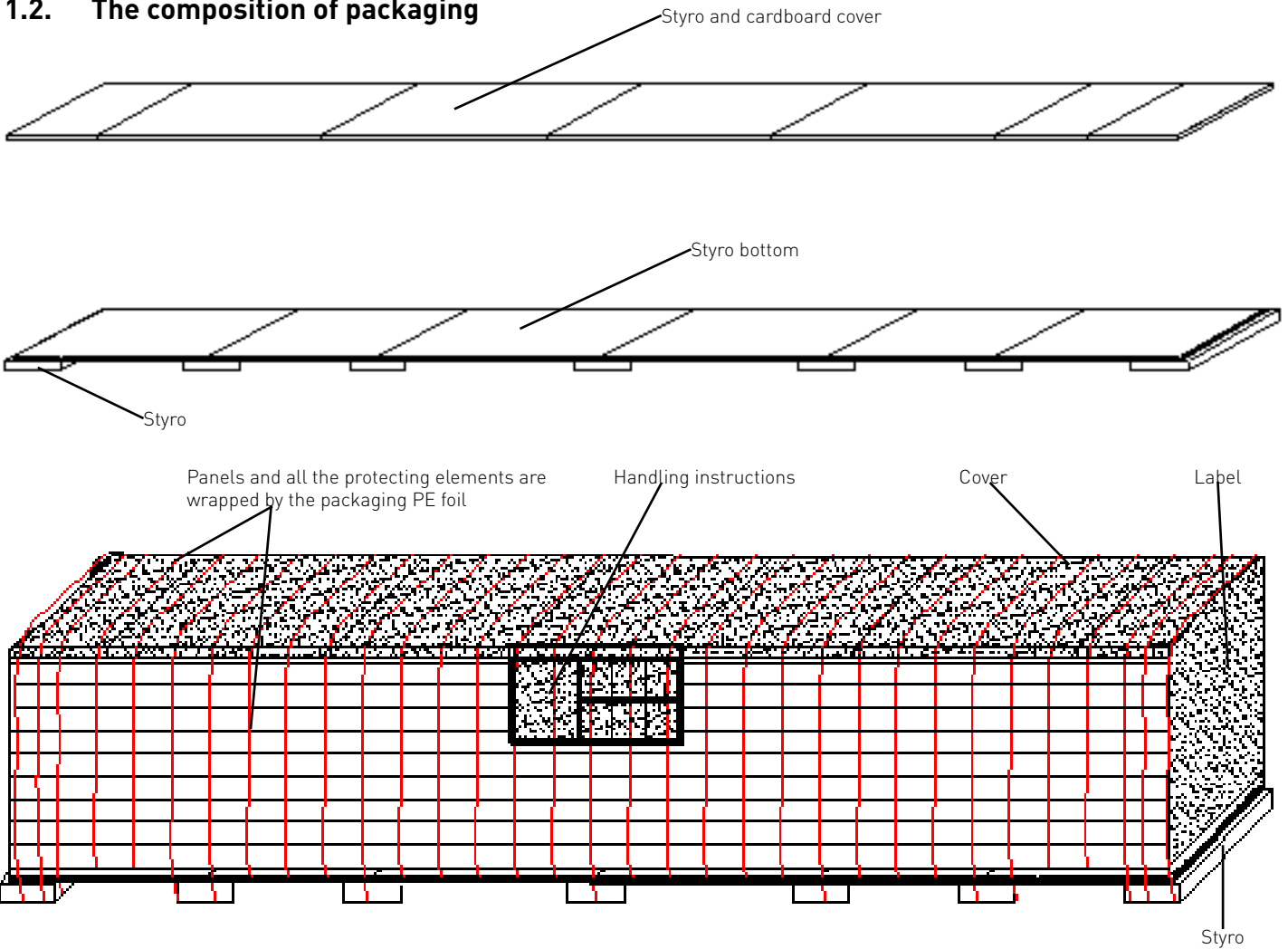


Fig. 2: Packaging elements for Qbiss One panels

## **2. MANAGEMENT OF WASTE PANELS and PACKAGING MATERIALS**

### **2.1. Process of separation**

Waste panels can exist as many different forms. The waste could be the result of panel cutting, remains, panels damaged as a result of improper site handling, or the constructing or deconstructing of the building. Panel remains should be separated into plies and the individual materials separated.

Once the panels have been separated into layers, the thin sheet metal should be mechanically separated from the mineral wool. Usually, after the mechanical separation, some mineral wool remains, this may have to be removed mechanically.

After panels are separated to layers, you are left with three main waste materials :

- waste sheet metal,
- waste mineral wool,
- waste rubber,

### **2.2. Process of separate collection**

While using Qbiss One panels, the separate collection of raw materials at the place of origin should be considered. Therefore, packaging materials are separated on-site. For ordinary packaging systems, the following types of packaging materials are present:

- PE foil, which protects sheet surfaces from mechanical damage at mounting stage,
- PE foil, a weather-protection panel packaging,
- Styro bottoms and covers, that enable load manipulation during loading and unloading,
- Cardboard, which protects the package during handling,
- Wooden cases (for flashing elements and screws)

For smaller quantities, the panel remains are mechanically separated on-site, however, for larger quantities, the separation processes are performed by authorised waste handling organisations.

### **2.3. Handing over secondary raw materials and waste to authorised organisations**

#### **Coated galvanised sheet metal**

Thin coated and galvanised sheet metal should be handed over to the authorised organisations equipped for collecting secondary raw materials. Partial quantities of PUR adhesive, remaining on the sheet metal after separation, should be considered as well.

According to the rules and ecological processes for remelting different metal wastes, the smoke gases should be cleaned by the purifying plants. Thus, the remelting of thin coated sheet metals, compounded into Qbiss One panels, is allowed.

#### **Mineral wool**

Mineral wool, as waste should be collected separately and:

- handed over to organisations as a raw material, in order to be recycled,
- handed over to organisations, in order to be installed as a building materials or,
- handed over to a landfill (according to the European Directive analysis, it should be considered as non-hazardous waste - Directive 1999/31/ES),

## **Rubber**

The rubber serves as a seal between two panels and as a corner element on the panel. The built-in seal between the panels will be removed mechanically. Rubber corner after the separation remains on sheet metal and should be mechanically separated from the sheet metal. The rubber as waste should be disposed as special waste and to make to organisations as raw material for energy. The waste rubber is so used for burning in incinerators (eg in the cement industry), where smoke gases are cleaned by purifying plants.

## **Packaging**

Packaging collected separately should be handed over as a secondary raw material:

- PE foil is recycled for use in PE foil production (recyclable),
- Styro is recycled for use in Styro production (recyclable),
- Cardboard – recycled by the paper industry,
- Wood (cases for flashing elements and screws) as fuel, or recycled by the cellulose industry,

## **2.4. Costs of waste separation, sorting and handing over to the authorised organisations**

By buying the product, the ordering party or the end user are responsible for its proper use and its sorting and handing over to the authorised organisations. The same responsibility exists for product waste and packaging in accordance with the regulations in the country of the ordering party or end user.

These guidelines are designed to help with waste management and conform to the directives on the management of waste and waste packaging, applicable in EU.

Note: Polyurethane foam, serving as an adhesive, after the separation partly remains on sheet metal and partly on mineral wool. Due to the small residual quantities involved per product unit and the technologically demanding processes required to remove it, the polyurethane foam is treated as an integral part of remains, burning up during primary process of metal remelting, and the smoke gasses cleaned by purifying plants within the melting furnaces.

## MANUFACTURER'S DECLARATION

Manufacturer: Trimo d.o.o., Prijateljeva cesta 12, 8210 Trebnje

Declares,

that the product Qbiss One panel is made in accordance with the following Directives, regulating waste and packaging waste managing:

- directive 1999/31/EC on landfill of waste,
- directive 94/62/EC on packaging and packaging waste,

The product Qbiss One, including the packaging material used, is recyclable at 98% provided that the »Instruction for the treatment of waste Qbiss One panels insulated with mineral wool and packing materials« are followed. Such instructions are intended for the user, respectively the customer, as information about appropriate disposal of remainders of panels and packaging material in compliance with the applicable legislation, respectively about separation, sorting and handover of such remainders and waste to authorized collection sites and entities.

The manufacturer further declares that in general the product of Qbiss One is manufactured from premium and environmentally friendly materials and therefore they do not pose a risk to environment during their life cycle (including recycling), provided they are used for the intended purposes and correctly handled while being recycled. Upon expiration of their life cycle they may be, in accordance with the relevant directives of instructions, recycled by authorized entities or disposed by authorized collection sites (dumping places) without any significant impacts on environment.

Silvo Štih  
Director of Quality department

Date: 02 July 2012

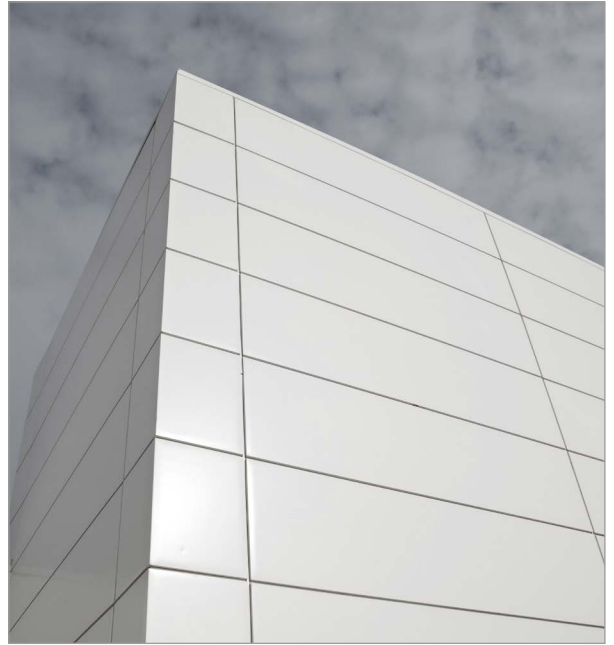
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