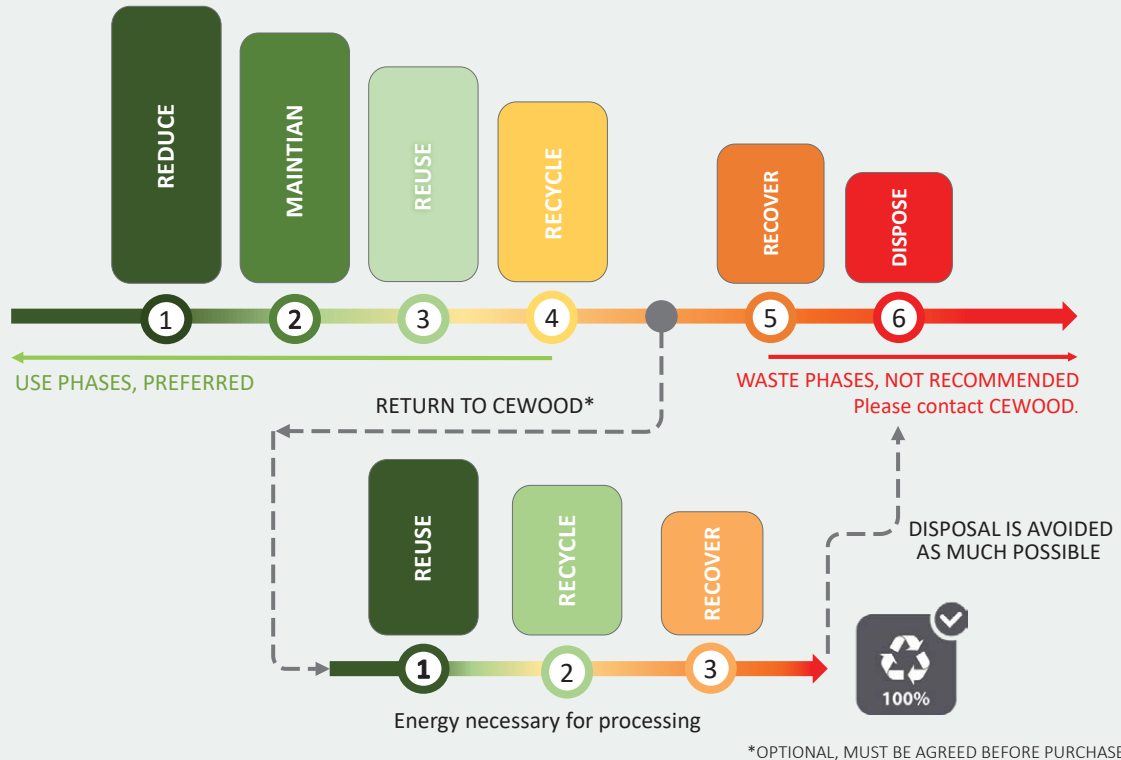


## CEWOOD WASTE MANAGEMENT HIERARCHY



## WASTE MANAGEMENT STEP EXPLANATION

### 1. REDUCE WASTE

Before ordering CEWOOD panels optimize designs and layouts of panels to minimize excess material. Plan measurements and place panels to reduce offcuts.

### 2. MAINTAIN and PRESERVE

Small damages can often be repaired without need to replace the entire panel, promoting sustainability. Regular inspections and basic cleaning are usually sufficient to ensure CEWOOD panels perform well throughout their lifespan. Refer to the after-installation guidelines.

### 3. REUSE and REFURBISH

Cemented wood wool panels are versatile material with various reuse options, each contributing to sustainability and resource efficiency. Reusing panels significantly cuts down on landfill waste and promotes resource conservation. Here are some key reuse options along with reasons for choosing them:

**Secondary use:** Ceiling panels can be easily dismantled and reused in new building.

**Thermal insulation:** Panels can be reused as thermal insulation and/or base panel for plastering in new construction or renovations.

### 4. RECYCLE

Recycling cemented wood wool panels involves several processes aimed at recovering and reprocessing the materials to minimize waste and environmental impact.

**Wall Cladding:** Reused ceiling panels can be used as redesigned decorative wall tiles in residential or commercial interiors.

**Garden and Landscaping Uses:** Used, broken panels, remnants or shred panels into smaller elements use as mulch to reduce weeds in hard-to-reach places and improve the pH level of the soil.

## CEWOOD WASTE MANAGEMENT HIERARCHY

### 5. RECOVERY

Recovering cemented wood wool panels involves processes that aim to reuse or recycle the materials, thereby minimizing waste and environmental impact

**Insulation in New or restoration Projects:** Panels and remnants are possible to shred and used as floor, wall thermal insulation in between wooden frame elements.

**Biodegradation:** Shredded panels and remnants are possible to use as soil conditioner to increasing oxygen level, organic compounds in the soil. Panels can be safely returned to soil and are biodegradable. Material is official registered and used as soil conditioner in Latvia.

**Incineration:** Shredded and sifted panels and remnants can be used for the cement and energy recovery.

### 6. DISPOSAL

Disposing of cemented wood wool panels requires careful consideration to minimize environmental impact and adhere to regulations.

**Last Resort:** If recycling, return or energy recovery options are unavailable, disposal in a landfill may be necessary.

## WASTE MANAGEMENT AFTER RETURN TO CEWOOD

! Please get acquainted with the CEWOOD return terms and instructions. Return option applies to markets where the return transportation costs and emitted carbon amount makes sense to take back used panels and remnants. Evaluation is made by CEWOOD.

### 1. SECONDARY MARKET (REUSE)

The secondary market for CEWOOD panels can be quite diverse, offering numerous opportunities for reuse.

**Construction and Renovation:** Used panels can be repurposed in new construction or renovation projects as insulation, reused in ceilings or wall finish as well as used as panels for wall plastering increasing construction acoustic properties.

**Art and Craft Projects:** Artists and crafters may use these panels and remnants for creative projects, including sculptures, furniture, or decorative pieces.

**Garden Uses:** They can be used in landscaping for garden beds, as mulch, or for creating eco-friendly planters.

**Donation:** Panels may be donated by CEWOOD to those in need. Panels may easily be refurbished and reused.

### 2. RECYCLE (UPCYCLING)

Upcycling of CEWOOD standard panels can be done by reinventing the purpose of it. Reprocessing can be done to either dimensionally broken or surface damaged panels.

**Wall or Ceiling Cladding:** Reused ceiling panels can be used as redesigned decorative wall tiles in residential or commercial interiors. Panels can be reduced in dimensions for assembly in T-profile systems of surface treated with CNC mill to effectively hide surface damages.

### 3. RECOVERY (DOWNCYCLING – NEW DEFINED USES)

Downcycling CEWOOD panels involves mechanical shredding and sifting processes create raw materials for already defined new uses, minimizing waste and maximizing their value.

**Defined uses for shredded or shredded and sifted CEWOOD panels:** Bulk thermal insulation, calcium acetate extraction, premanufactured building panels, cement recovery, energy recovery by incineration, effective agricultural soil conditioner, wood wool panel filler in manufacturing process.

### 4. DISPOSAL

CEWOOD try to avoid panel or any part of them disposal. As it is 100% natural product, every part is usable and biodegradable. CEWOOD is looking forward to complete the company target to fulfill the resource and waste circularity to achieve no waste at all.