LaGranjaInsulators

Insulators' Recyclability at the end of their life cycle

SWIPE

Components of Insulators

All the components of Insulators are of recyclable materials: glass and metallic parts:

- Glass dielectric part
- Caps
- Pins
- Split pins

These components are assembled using aluminous cement as bonding material.

Waste regulations vary in every country and even locally. Any waste management adopted by the users of our insulators must be in compliance with the local waste regulations and the codes included in the environmental authorization of every activity.

Below are listed some codes of the European Waste Catalogue (EWC) than can be used for insulator wastes:

- The glass can be managed as EWC code 17 02 02.

- The metallic parts can be managed as EWC code 17 04 07.

- The rests of cement can be managed as EWC code 17 01 01 or 17 01 07.

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Components of Packaging

The packaging components are recyclable:

- Pallet: wood (EWC code 15 01 03 or 17 02 01)
- Crates: wood (EWC code 15 01 03 or 17 02 01)
- Cover film: plastic (EWC code 15 01 02 or 17 02 03)
- Strapping bands: plastic (EWC code 20 01 39)
- Lateral crates ends hardboard (EWC code 15 01 03 or 17 02 01)

Segregation Process to Separate the Different Parts

1. Disassemble the insulator strings by removing the split pins and separating each insulator unit.
2. Introduce the insulator in a metallic box.
3. Cover the insulator with a thick plastic film to avoid glass projections.
4. Hit the insulator with a hammer or similar tool to shatter it.

KEEP SWIPING

Segregation Process to Separate the Different Parts

5. Separate the metallic part to a mellitic waste, the rest of cement to an inert waste.
6. After the breakage, the metallic parts can be taken to a metallic waste container and the rests of cement in the glass taken to an inert waste container.
7. The glass cullet could be cleaned to be sent to a glass recycling plant.