

Ecodesign

for improved circularity, energy performance, recyclability and durability of products



TECHNICAL COMMITTEES ON ECODSIGN STANDARDIZATION

- International level -

ISO/TC 207: Environmental Management

Scope

ISO/TC 207 deals with standardization activities in the field of environmental management to address environmental and climate impacts, including related social and economic aspects.

IEC/TC 111: Environmental Standardization for Electrical and Electronic Products and Systems

Scope

IEC/TC 111 prepares the necessary guidelines, basic and horizontal standards, including technical reports, in the environmental area, in close cooperation with product committees of IEC, which remain autonomous in dealing with the environmental aspects relevant to their products.

- European level -

CEN/CLC/JTC 10: Material Efficiency Aspects for Products in Scope of Ecodesign Legislation

Scope

CEN/CLC/JTC 10 is responsible for standardization for material efficiency aspects for products in scope of the Ecodesign Directive 2009/125/EC and its revisions. Producing generic and horizontal CEN-CENELEC publications covering aspects such as assessment methods, design rules, dematerialization, digitalization and transfer of information on a variety of material efficiency topics, such as extending product lifetime, reusability, recyclability and recoverability of product components and materials.

CEN/TC 406: Mechanical Products – Ecodesign Methodology

Scope

CEN/TC 406 develops ecodesign methodology for mechanical products (Industrial machinery excluding machinery for the production and use of mechanical power).

MAIN STANDARDS ON ECODESIGN

ISO/TC 207: Environmental Management

IEC 62430:2019 Environmentally conscious design (ECD) — Principles, requirements and guidance

IEC/TC 111: Environmental Standardization for Electrical and Electronic Products and Systems

IEC TR 62824:2016 Guidance on material efficiency considerations in environmentally conscious design of electrical and electronic products

IEC TR 62635:2012 Guidelines for end-of-life information provided by manufacturers and recyclers and for recyclability rate calculation of electrical and electronic equipment

IEC 63333:2023 General method for assessing the proportion of reused components in products

IEC TS 63428:2024 Guidance on material circulation considerations in environmentally conscious design

CEN/CLC/JTC 10: Material Efficiency Aspects for Products in Scope of Ecodesign Legislation

EN 45560:2024 Method to achieve circular designs of products

CLC/TR 45550:2020 Definitions related to material efficiency

EN 45552:2020 General method for the assessment of the durability of energy-related products

EN 45553:2020 General method for the assessment of the ability to remanufacture energy-related products

EN 45554:2020 General methods for the assessment of the ability to repair, reuse and upgrade energy-related products

EN 45555:2019 General methods for assessing the recyclability and recoverability of energy-related products

EN 45556:2019 General method for assessing the proportion of reused components in energy-related products

EN 45557:2020 General method for assessing the proportion of recycled material content in energy-related products

EN 45559:2019 Methods for providing information relating to material efficiency aspects of energy-related products

CEN/TC 406: Mechanical Products – Ecodesign Methodology

EN 16524:2020 Mechanical products - Methodology for reduction of environmental impacts in product design and development

CEN/TR 17004:2016 Mechanical products - Conditions to set up environmental communication models by recognizing sectorial particularities