



A variety of compliance symbols are used in the EU to indicate compliance. The main symbol is the CE Marking. It represents compliance to *all* the relevant standards and “New Approach Directives.” With this symbol, a product or service can be freely marketed throughout the EU. The box to the left shows the required proportions of the CE Marking. It can be expanded or contracted, as long as the proportions are maintained. However, the CE Marking is not the only symbol that you may have to apply to your product.

#### CE Marking



Most commercial and industrial equipment falls under either the *Machinery Directive* or the *Equipment Used in Potentially Explosive Atmospheres Directive*, depending upon whether the primary hazard is electrical or mechanical.

#### ECO-Label



Household appliances such as refrigerators and blenders are also regulated products. They are covered by the *LVD* and by the *Appliance Directives*. The *Appliance Directives* focus on the reduction of energy use and recycling. The ECO-Label is required for household appliances. It indicates that the product is environmentally friendly. ISO 14000 Environmental Management System registration is not required for the ECO-Label, but the Parliament is leaning in that direction. The directives and standards are designed to encourage consumers to buy

#### Recycling Symbol



energy-efficient appliances and to recycle their old ones. The Recycling Symbol is required on any product that can be recycled. By international agreement, the Recycling Symbol is used on most plastic products. It is also found on most plastic products molded in the United States.

Household appliances and cars are required to be recycled in the EU and this symbol will appear on them.

The Percent Recycle Symbol is used to indicate to the consumer the percentage of recycled material in a product. Most paper and plastic products will have this symbol. National laws cover the requirements for the use of the Recycling Symbol. German laws are quite strict, and the EU Plastic Waste Proposal is patterned after them. The recycling issue should be addressed in the TCF. Also, the ECO-Label requires that any disposable products, shipped in reasonable volumes,\* must have a formal recycling program.

#### % Recycle



In addition to the ECO-Label, electrical household appliances must have an Energy Label. The Energy Label is used in conjunction with the CE Marking to symbolize that a product is in compliance with the *Appliance Directives*. There are two energy labels, the Oven Label and the Energy Label. The Energy Label is used to indicate annual energy consumption. The Oven Label shows



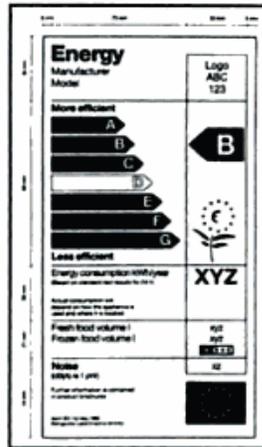
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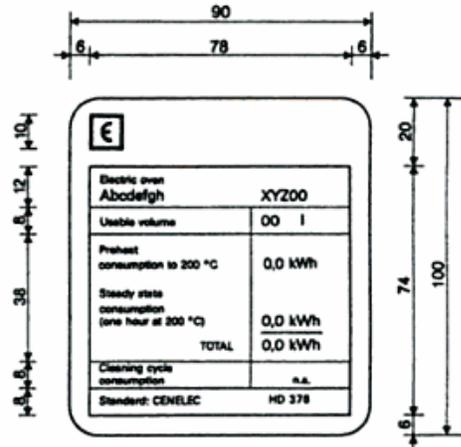
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the energy used by the oven at different settings. Both labels must appear on ovens.

Energy Label



Oven Label



\* Under EU law, "reasonable volume" is a legal term which defines a set amount of waste. This amount is set in the directives and depends upon the product.

### Energy Star



Gas appliances and hot-water heaters also require labels. The CE Marking is required for Directive 90/396/EEC and 92/42/EEC. The ECO-Label and the Energy Label can also be used. If you manufacture gas appliances, you must become ISO 9001/2 registered. Hot-water tanks and boilers must also have the Energy Star as well as the CE Marking. Gas appliances must use EC-Type Verification, and the Notified Body's identification symbol appears under the Energy Star. Commercial and industrial equipment which perform functions like household appliances should have the Energy Label. The information that appears on the Energy Label must appear in the instruction manual as well.

The Reusable Package symbol is placed on packaging that can be recycled. It is designed to encourage the reduction and recycling of packaging. Most manufactures of large appliances, such as washers, must



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### Reusable Package



use reusable packaging. The seller is to pick up the shipping container and return it to the manufacturer.

The Europeans have put a great deal of emphasis on recycling and reusing. Most manufacturers that ship to the EU will need to have a formal recycling plan. The

symbols discussed above and the laws regarding packaging and recycling are in the *EU Packaging Waste* and *ECO-Label Directives*. Their numbers are Directive 93/C 205/01, Regulation (EEC) No. 880/92, Commission Decision 93/326/EEC, and Commission Decision 93/517/EEC. While recycling is still under national authority, proposal 93/C 205/01 is patterned after German law. The ECO-Label requires a formal recycling program.

Another common authorization symbol that may have to be placed with the CE Marking is the PEA Label. This symbol is used to signify compliance with

### PEA Label



the *Equipment Used in Potentially Explosive Atmospheres Directive*. It is placed on equipment that may be used in atmospheres which may explode if the machine fails. Along with the PEA Label, there will be a symbol which indicates the type of explosive atmosphere. The three types of atmospheres identified in the directive are gas, dust, and pressure. Each of these has a symbol. There are many other symbols that you may have to place on your product, depending upon

the requirements of the relevant directives. 'N' is also used by the *Pressure Vessel Directive* (87/404/EEC) to indicate compliance. The Notified Body's identification number appears under the symbol.