

Waste Segregation Guide



Introduction

Dubai Municipality, in its goal to provide the residents of the Emirate of Dubai a more sustainable environment to live in, has developed **the Dubai Integrated Waste Strategy 2041**. The strategy emphasizes that the implementation of source segregation programs will contribute significantly to the waste diversion and recycling goals of the Emirate of Dubai.

This guide has been prepared to assist Commercial, Residential, Industrial and Institutional sector in understanding the standard and level of service that are required in order to comply with the regulation. Careful assessment of existing practices locally and best practices worldwide was considered in the preparation of this guide.

What is the purpose of the guideline?

O1

To enforce recycling related practices and procedures to all waste generators, waste management companies.

O4

To ensure sustainable waste management practices among Commercial, Residential, Industrial and Institutional Waste Generators in the Emirate of Dubai.

O2

To comply with the Dubai Integrated Waste Strategy 2041.

O5

To increase the quantity of waste diverted from landfill.

O3

To establish waste segregation standards and requirements.

Application

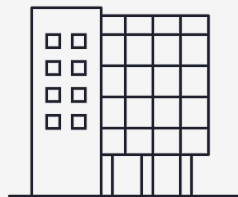
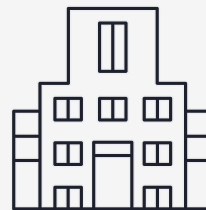


Commercial Sector

Shopping Malls Groceries
Hypermarkets Hotels
Shops

Institutional Sector

Government Schools
Offices Hospitals



Industrial Sector

Manufacturing Facilities
Fabrication Facilities
Processing Facilities

Residential Sector

Villas Residential
Residential Buildings Complexes



Construction Sector

Construction and Demolition Sites

01



Recyclable & Non-recyclable Materials

O1 Paper

| Recyclable  | Non-Recyclable  |
|--|--|
| Office Paper: | Used paper towels |
| <ul style="list-style-type: none"> · Printer paper · Computer paper · Colored Paper | Tissue paper |
| Newspaper | Sticky Papers |
| Magazines, brochures and catalogues | Double Laminated Paper |
| Envelopes: Envelopes made from paper can be recycled, including those with plastic windows. | Wax or Parchment Paper |
| Sticky notes | Wallpaper/decoration paper such as giftwrap laminated with plastic film or embellished with metallics, glitter, velvet, etc |
| Cardboard Files | Box files (Metal clips can be recycled) |
| Kraft Paper | Soiled and Oily Papers |
| Notebooks | Kitchen Tissues |
| Religious Books | Paper cups |
| Books | Paper Plates |
| Shredded paper and paper end cuttings | |
| Brown/white/colored Paper Bags | |

Important notes: Please remove any staples, plastic wrapping or covering from magazines, newspapers, books etc.

Recyclable Paper



Office Paper



Newspaper, Magazines, brochures



Envelopes



Shredded paper & Paper end cutting



Sticky notes



Brown/white/colored Paper Bags



Cardboard Files



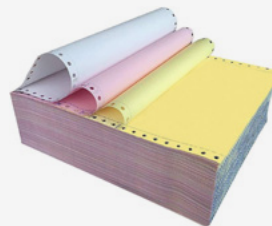
Kraft Paper



Notebooks



Books

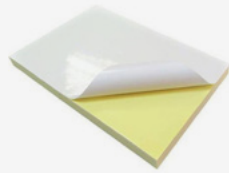


Computer paper

Non-Recyclable Paper



Used paper towels, Kitchen Tissues, Tissue paper



Sticky Papers



Double Laminated Paper



Wax or Parchment Paper



Wallpaper/decoration paper



Soiled & Oily Papers



Paper Cups, Paper Plates



Box files

O2 Cardboard

Recyclable



Corrugated cardboard: Used to make boxes for shipping and packaging

Paperboard (Cardboard Boxes): This includes cereal boxes, cracker boxes, and other types of food packaging.

Brown Paper

Core Pipes

Egg Trays

Corrugated cardboard pallets

Cardboard Pallets/Mat Boards

Non-Recyclable



Contaminated and plastic coated cardboard boxes such as take-away containers

Contaminated Boards / Cartons

Important notes: Remove all contaminants such as food items in the boxes.

Recyclable Cardboard



Corrugated Cardboard



Cardboard Boxes



Egg Trays



Cardboard Pallets/
Mat Boards



Brown Paper



Core Pipes

Non-Recyclable Cardboard



Plastic Coated
Cardboard Boxes



Contaminated
carton

O3 Food and Drink Cartons

Recyclable



Drink cartons (juices, milk etc)

Food cartons (sauces, soups etc)

Tetra Pak packaging items

Non-Recyclable



Laminated plastic food/drink pouches

Important notes: Empty and rinse drink and food cartons (if possible) before placing them in the container

Recyclable Food and Drink Cartons



Drink Cartons



Food Cartons





Tetra Pak Packaging

Non-Recyclable Food and Drink Cartons




Laminated plastic food/drink pouches

O4 Plastics

| Recyclable  | Non-Recyclable  |
|--|--|
| Water bottles | Plastic bottles containing chemicals |
| Soda/soft drink bottles | Chips and sweet packets/wrappers |
| Milk bottles/jugs | Plastic container lids |
| Detergent and soap bottles | Laminated pouches (e.g. cat food/ coffee pouches that spring back when you try and scrunch them. Pouches are currently not recyclable). |
| Cleaning products bottles | Plastic toys (these are currently not recyclable) |
| Shampoo/shower gel bottles | Medicine strips (e.g. headache pills, etc.) |
| Pots (yogurt, soup) | Toothpaste tubes |
| Trays/punnets (e.g. raw meat trays; take-away trays; fruit /veg trays) | |
| Plastic films: <ul style="list-style-type: none"> · All plastic bags · Shrink wrap · Breakfast cereal liner · Bread bags · Bags for vegetable and fruit · Magazine wrappers · Toilet roll wrappers · Frozen food wrap | |
| Plastic Folders | |
| Polystyrene Cups and Plates | |
| Bubble Wrap | |
| Packing foam | |

O4 Plastics

| Recyclable  | Non-Recyclable  |
|--|--|
| Plastic road barriers, Cones, Pipes | Expanded polystyrene e.g. packaging inserts |
| PVC Pipes and fittings | Styrofoam cups and plates |
| Ice trays | Paint / Chemical / Oil Drums |
| BOPP rolls (Reused) | ABS plastic (egs. Vehicle components) |
| Waste Bins (HDPE) | BOPP cuttings |
| Garbage Bags | IBC Tanks |
| Vegetable Baskets | |
| Jumbo / Tarpaulin / Sugar Bags (PP) | |
| HDPE Pipes | |
| Nylon Ropes | |
| Plastic Pallets | |
| Plastic Laundry racks | |
| HD water tanks | |

Important notes: Empty and rinse, crush (if possible) items and replace lids/ tops before placing them in the container.

Recyclable Plastics



Water/soft drink/
milk bottles



Vegetable
Baskets



Cleaning products/
shampoo bottles



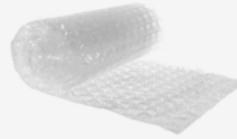
Pots (yogurt, soup)



Trays/punnets



Plastic films



Bubble Wrap



Waste Bins



Ice trays



Plastic road barriers,
Cones, Pipes



Garbage Bags



HDPE Pipes

Non-Recyclable Plastics



Polystyrene cups
and plates



Plastic container
lids



Chips and sweet
packets/wrappers



IBC Tanks



Plastic toys



Medicine strips





Toothpaste tubes



ABS plastic

O5 Metal Materials

| Recyclable  | Non-Recyclable  |
|--|---|
| Drink cans | Aerosol cans (may need special handling and depressurization) |
| Tin cans (food tins) | Metal containers for chemicals (i.e. white spirits, paints, etc.) or engine oils |
| Aluminum foil trays | Any other metal items e.g. kettles, irons, pipes, white goods |
| Biscuit/chocolate tins and their lids | Fire extinguishers / Freon Cylinders / LPG Cylinders / Oxygen / DA / Helium / Neon cylinders |
| Copper/brass/ Aluminum /stainless steel Utensils | Oil and air filters of the vehicles |
| Tools and Equipment | |
| GI & Metal pipes and fittings | |
| Chrome Plated bath fittings & fixtures | |
| Stainless steel/copper bath fittings and fixtures | |
| Copper / Aluminum Cables and ropes | |
| Light Household Appliances (Fridge, Washing Machine, Cooking ranges, dish washer etc) | |
| Water Geysers | |
| Outdoor furniture | |
| Metal Smoke tray | |
| Dust Bins | |
| Metals vehicle spare parts | |
| Electrical Motors and pumps | |
| Old damage structures of shed, Parking sheds | |
| General kitchenware e.g., cutlery, pots and pans | |

Important notes: Empty and rinse items before placing them in the container.

Recyclable Metal Packaging



Drink cans



Aluminum foil trays



Stainless steel Utensils



Tools and Equipment



GI & Metal pipes



Aluminum Cables
& ropes



Household Appliances



Metal Smoke
tray



Electrical Motors
& pumps



Water Geysers

Non-Recyclable Metal Packaging



Aerosol cans



Metal containers
for chemical



Metal items like kettles,
irons or pipes





Fire extinguishers



Air filters for vehicles

O6 Glass materials

| Recyclable  | Non-Recyclable  |
|--|--|
| Bottles of any colour | Glass cookware (e.g. Pyrex) |
| Jars (e.g. sauces, jam, baby food) | Drinking glasses |
| Non-food bottles (e.g. perfume, aftershave, face creams) | Vases |
| | Ceramics (e.g. crockery or earthenware) |
| | Nail varnish bottles |
| | Microwave plates |
| | Fiber / GRP Glass |

Important notes: Empty and rinse items before placing them in the container.

Recyclable Glass Packaging



Glass Bottles



Jars



Non-food bottles

Non-Recyclable Glass Packaging



Glass cookware



Drinking glasses



Vases



Ceramics



Nail varnish bottles



Microwave plates



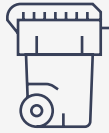
Fiber/GRP Glass

02



Waste and Recyclable Storage Instructions

Waste and Recyclable Storage Instructions



01

The minimum container provision requirement outlined in this guide is a system of "three bins":

- Green container for the storage of recyclable dry mixed materials
- Black container for the remaining non-recyclable general waste
- Brown container for storing organic waste

02

The waste producer may choose to increase the number of containers to store different type of materials in condition to comply with approved material colors for each type of material provided in this guideline

03

If bags are used to store waste or recyclable materials, a minimum of two bags must be used: a black bag designated for storing general waste and a clear bag for keeping recyclable materials

04

All waste generators should provide enough containers to accommodate recyclable materials, non-recyclable materials and other types of waste produced in the premises

05

All containers should be properly colored and labeled with appropriate instructions of the kind of materials should be placed in it

06

The signage and instructions should be written in Arabic and English

07

The container and its signages should be designed to make the people think about recycling, a motivational message that encourages involvement in the recycling initiative is recommended

08

The signages should be large and easy enough to read. It is recommended to use signages that are bright and has catchy colors to make the bin stand out

03



Bin Color Codes

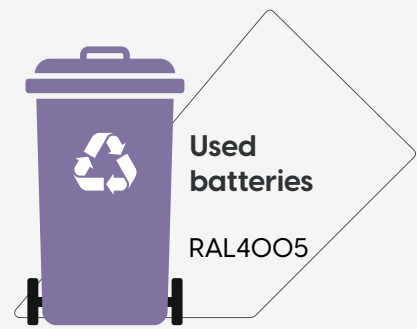
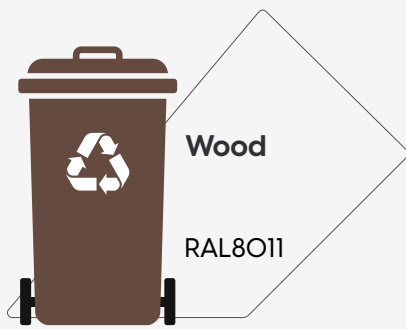
Material Color Codes **3 Bin System**



Material Color Codes **4 or more Bin System**



*For future implementation



Color Codes **for Construction and Demolishing Sites**



Laws and Legislations

- Local Order No. (11) of 2003 Concerning Public Health and Safety of the Society and its amendments in the Emirate of Dubai.
- Executive Council Resolution No. (58) of 2017 Approving the Fees and Fines for Waste Disposal in the Emirate of Dubai.
- And any other related laws.

Fines for Non-Compliance of Waste Segregation Guideline

| | |
|---|------------------|
| Failure of private organizations and institutions, commercial, residential, and industrial complexes, and hotel establishments to provide waste, recyclable and miscellaneous material storage containers in compliance with the rules, conditions, and standards set by the relevant agency. | 5,000 AED |
| Noncompliance with the directions of the competent department to replace trash containers if the volume of waste arising from these entities operations exceeds the volume of the available containers or if the waste has become a threat to public health. | 1,000 AED |
| Failure to design and implement a plan to reduce or recycle waste if it appears to the competent department that the establishment activity generates excessive waste. | 1,000 AED |

Important notes: These fines are not the only ones concerning the noncompliance.

04



Management of other types of Materials

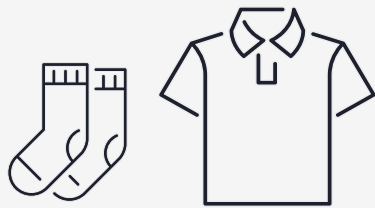
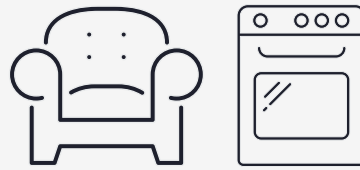


Electronic Waste

Material can be placed in Dubai Municipality Smart Sustainability Oasis, alternatively the household/ individual may contact any approved E-waste processing company

Furniture/ White Goods

Items can be managed through Dubai Municipality Bulky Waste Collection Program. Hotline No. 800-900

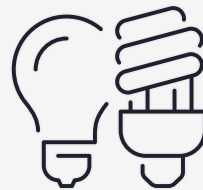


Clothing

Material can be placed in Dubai Municipality Smart Sustainability Oasis, alternatively the household/ individual may contact any approved organizations and companies

Batteries/lamps

Material can be placed in Dubai Municipality Smart Sustainability Oasis, alternatively the household/ individual may contact any approved E-waste processing company



Paint/Pesticides Containers

The household/individual may contact any approved hazardous waste collection processing company

Management of other types of Materials



Hazardous waste transport companies

Scan QR code for more details



Used oil collection companies

Scan QR code for more details



Waste treatment facilities

Scan QR code for more details



05



Smart Sustainability Oasis Centers



Smart Sustainability Oasis Centers

| Location | Makani Number |
|---|---------------|
| Smart Sustainability Oasis - Al Twar Center | 3733595088 |
| Smart Sustainability Oasis - Quranic Garden in Al Khawaneej | 4593892020 |
| Smart Sustainability Oasis - Mirdif Park | 4074190172 |
| Smart Sustainability Oasis - Nadd Al Hamar Park | 3686588189 |

Learn more about other
Smart Sustainability Oasis Centers

Scan QR code



