



# Appendix to the Explanatory PLASTIC Diversified CAC Manual

## Main changes to the lists for 2020

**Update as at 26/11/2019**

*This document is the English translation of a Conai document. In cases of disputes, the original Italian text shall prevail.*



## Contents

**Level definition changes**

**Clarifications on the characteristics and definitions of certain types of packaging**

**Clarifications and reallocations of certain items to different levels**

## Level definition changes

*LEVEL A - Packaging with an **effective and consolidated industrial** sorting and recycling chain, **mainly** from the C&I circuit*

*LEVEL B1- Packaging with an **effective and consolidated industrial** sorting and recycling chain, **mainly** from the Household Circuit*

*LEVEL B2- Packaging **with an industrial sorting and recycling chain in the process of consolidation and development - from the Household and/or C&I Circuit***

*LEVEL C - Packaging **with experimental sorting/recycling activities in progress or not sortable/recyclable with current technologies***

*The specifications were necessary to:*

- Explain in greater detail the list of types in Level C (previously by way of example and not limited to), which in any case includes all the other packaging not expressly listed in Level A, B1 or B2.;*
- Clarify allocation for packaging that in a residual manner also flows into the non-prevalent circuit;*
- Include in Level B2 those types of packaging (regardless of the main destination circuit) that are already sent for recycling in significant quantities but not homogeneously by flow or national territory (unconsolidated recycling from C&I and/or household circuit);*
- Confirm that the overriding criterion for access to levels A, B1 and B2 is the existence of an industrial recycling circuit and that, where there are circuits still in the trial phase, these remain in Level C.*

## Clarifications on the characteristics and definitions of certain types of packaging

**Mineral fillers present in bulk:** any type of mineral filler (e.g. calcium carbonate, talc, titanium dioxide, glass fibre, etc.) if added in bulk to the plastic packaging. Mineral fillers used as components of paints, pigments, **colouring agents** and inks are not considered as added in bulk, **provided that their density remains below 1 g/cm<sup>3</sup> (grams/cubic centimetre).**

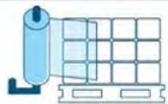
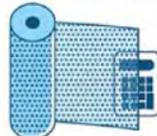
**Multilayer:** packaging consisting of different polymers paired together, with or without the interposition of adhesives to form a single structure consisting of multiple different layers, **including polymers used to make barrier layers (e.g. EVOH).**

**Sortable black:** colouring agent which enables black packaging to be recognised by means of near-infrared (NIR) optical readers, such as the carbon black colouring agent.

**Bags for industrial use:** film spools (flat or bubble extrusion - tubular) or single bags/small bags (with open valve/mouth) for the packaging of products **that are used in the production cycle of companies and therefore not intended for the household circuit.**

# Clarifications and reallocations of certain packaging types to Level A

## Items in Level A as at 31.12.2019

	<u>Liners</u> , Big Bags and Bags for industrial use <sup>1</sup>
	Caps to cover pallets/Big Bags
	Film for palletising <sup>2</sup> and shrink film for <u>over-wrapping</u> <sup>3</sup>
	Bubble wrap and other air cushions

## New definitions as from 1.1.2020

→ Liners, bags for industrial use, caps to cover pallets/Big Bags, film for palletising, shrink film for over-wrapping, bubble wrap, and other air cushions - **made of monopolymer, non-foam and non-metallic/metal painted PE**

→ **Big bags**

Definitions reformulated by grouping types with direct specification of items according to the polymers used and specifying the additional characteristics for recycling.

# Clarifications and reallocations of certain packaging types to Level A

## Items in Level A as at 31.12.2019



Water dispenser bottles



Drums and IBC Tanks



Caps, closures and lids for drums and IBC tanks

### New definitions as from 1.1.2020

→ **Water dispenser bottles and their caps**

Similar to that already done for drums and tanks, it is envisaged that water bottles caps will be reallocated to Level A (in 2019 in Level B2) due to the proven existence of recycling circuits.

### New definitions as from 1.1.2020

→ **HDPE IBC Tanks and Drums with capacity of 30 litres or more**

Specifications of polymer and capacity inserted to correctly circumscribe the packaging types envisaged and others declared up to 31.12.2019 in this item (e.g. disposable kegs) excluded.

## Change to the definitions of certain items in Level B1

### Items in Level B1 as at 31.12.2019



PET bottles and detergent bottles and the like<sup>5</sup> - non-multilayer<sup>6</sup>, transparent<sup>7</sup> or coloured transparent, without plastic covering label (sleeve)/ direct printing on the same (instead of the label) - and preforms for production of the same



PET bottles and detergent bottles and the like<sup>5</sup> - non-multilayer<sup>6</sup>, transparent<sup>7</sup> or coloured transparent, with plastic covering label (sleeve) but with perforations/punching to facilitate removal and accompanied by instructions that invite the consumer to proceed in this sense - and preforms for production of the same



### New definitions as from 1.1.2020

→ PET bottles, **jars** and detergent bottles and the like - monopolymer, transparent or coloured transparent, without covering label...

→ PET bottles, **jars** and detergent bottles and the like - monopolymer, transparent or coloured transparent, with plastic covering label (sleeve) with...

Definitions of the packaging in level B1 supplemented, PET jars that have been sorted and recycled as bottles and detergent bottles and the like inserted.

# Change to the definitions of certain items in Level B1 and reallocation of certain types to Level B2

## Items in Level B1 as at 31.12.2019



HDPE<sup>8</sup> and PP<sup>9</sup> bottles, detergent bottles and the like and cans - up to 5 litres capacity - with colour other than black and without plastic covering label (so-called sleeve)

HDPE<sup>8</sup> and PP<sup>9</sup> bottles, detergent bottles and the like and cans - up to 5 litres capacity - with colour other than black and with plastic covering label (so-called sleeve), but with perforations/punching to facilitate removal and accompanied by instructions that invite the consumer to proceed in this sense

## New definitions as from 1.1.2020

→ HDPE bottles, detergent bottles and the like, cans **and other rigid containers** - up to 5 litres capacity - with colour other than black and without covering label

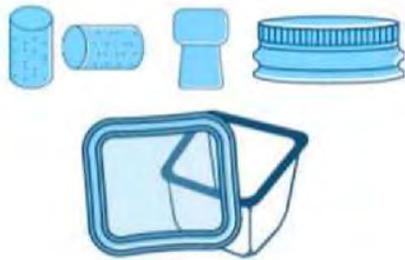
→ HDPE bottles, detergent bottles and the like, cans **and other rigid containers** - up to 5 litres capacity - with colour other than black and with covering label...

Definitions of level B1 packaging supplemented.

- HDPE rigid containers that have been sorted and recycled such as bottles, detergent bottles and the like and cans have been inserted;
- Rigid PP packaging reallocated to Level B2, since still having an unconsolidated recycling chain such as that of Level B1 packaging.

## Change to the definitions of Level B2 packaging types and reallocation of certain types to Level A

### Items in Level B2 as at 31.12.2019



Caps, closures and lids other than those in Level A



### New definitions as from 1.1.2020

→ **Rigid** caps, closures, and lids other than those in Level A

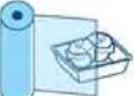
Clarification that these are rigid caps, closures and lids

→ **Water dispenser bottles and their caps**

Water bottle caps reallocated to Level A due to proven existence of recycling circuits

## Reallocation of certain items from Level C to Level B2

### Items in Level C as at 31.12.2019

	Monolayer/multilayer film (flat or bubble extrusion - tubular) other than that of Level A
	Protective film (e.g. removable film) other than that of Level A
	Film for professional use (e.g. for foodstuffs)
	Film for garments (e.g. film used by laundries)
	Polylaminates mainly in plastic material
	Shopping bags, bags and small bags other than those of LEVEL A (Liners, Big Bags and bags for industrial use) and LEVEL B2 (Reusable bags, compliant with current legislation and Bags meeting the requirements established by the UNI EN 15432:2002 standard)

### New definitions as from 1.1.2020

- **Non-metallic/metal painted monopolymer PE flexible packaging in a colour other than black - other than that of Level A**
- **Non-metallic/metal painted monopolymer PP or multilayer PE/PP flexible packaging, in a colour other than black and intended for the Household circuit**

Two specific items introduced in Level B2 and other types of flexible packaging for household use confirmed in Level C.

## Reallocation of certain items from Level C to Level B2

Items in Level C as at 31.12.2019



New definitions as from 1.1.2020

→ Labels - covering (so-called sleeves) or non-covering - not glued in monopolymer PE, monopolymer PP or multilayer PE/PP, with colour other than black and non-metallic/painted with metals, with perforations/punching to facilitate removal and accompanied by instructions that invite the consumer to proceed in this sense

A specific item introduced in Level B2 and other types of labels confirmed in Level C.

## Reallocation of certain items from Level C to Level B2

### Items in Level C as at 31.12.2019

	Cases, boxes and other presentation containers
	Cans, jars and other containers of any shape/size
	Emptied beverage system capsules (CIRC 07/10/2014)
	Buckets
	Disposable plates and cups
	Containers and trays
	Tubes

### New definitions as from 1.1.2020

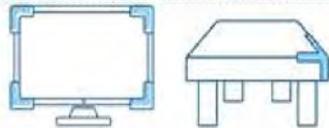
→ **Rigid packaging in monopolymer PP or monopolymer PE in a colour other than black, without mineral fillers added in bulk, other than those of Level A, B1 and C (e.g. cans, buckets, tubs, trays, jars, etc.)**

A specific item introduced in Level B2 and other types of rigid packaging of the household circuit confirmed in Level C, such as:

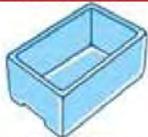
- Other rigid containers of any shape and size other than those of Level B2
- Emptied beverage system capsules (CIRC 07/10/2014)
- Strapping and bands for packaging and tape
- Tubes

## Reallocation of certain items from Level C to Level B2

### Items in Level C as at 31.12.2019



Protective elements in foam and rigid material



Crates in foam material



### New definitions as from 1.1.2020

→ **Seed trays and food crates in foam PS (EPS) intended for the C&I circuit**

A specific item introduced in Level B2 and other types of foam packaging confirmed in Level C, such as:

- foam corners and other protective elements;
- tubs, trays and other containers for household use.

## Reallocation of certain items from Level C to Level B2

New definitions as from 1.1.2020

→ **Bottles, detergent bottles and the like, cans and other rigid containers**

**- capacity up to 5 litres - in HDPE - with sortable black colouring agent\***

*\*By sortable black is meant that which enables black packaging to be recognised by means of near-infrared (NIR) optical readers, such as the carbon black colouring agent.*

### Items in Level C as at 31.12.2019



Black bottles, detergent bottles and the like and cans - up to 5 litres capacity - and preforms for production of the same



Where bottles, jars, detergent bottles and the like and cans are implemented with sortable black colouring agent without any contamination (1) with non-sortable black colouring agent, the bottle is recognised and sorted and can be sent for recycling. A 1-year trial is planned in Level B2 (2020) and if no problems arise, this item can be reallocated to Level B1.

The following are planned for 2020:

- a dedicated item in the CAC declarations;
- a prior self-declaration to CONAI by the user/producer certifying the date of conversion of 100% of production intended for the Italian market (specifying the commercial brands involved);
- specification of the colouring agent used in the invoice.

(1) If production with sortable and non-sortable black is alternated in production systems, the producer must provide CONAI with proof of the existence of an ad hoc procedure suitable for avoiding contamination.