

Used Aluminium Beverage Can Recycling



Specification for Supply

A close-up photograph of a hand holding a crushed green aluminium beverage can. The can is crumpled, showing its internal structure and the silver interior of the lid. The background is blurred, showing other similar cans.

Novelis

Welcome

This pack provides the information you need to become a supplier of UK-sourced used beverage cans (UBCs) to Novelis Recycling. It explains our quality specification, delivery requirements and payment procedure and gives full details of who you should contact if you require more information.

Novelis manufactures recycled can body ingot which is highly regarded by drink can manufacturers in the UK and Europe. To make a quality product we depend on a constant supply of good quality used aluminium beverage cans. To achieve this we work closely with our suppliers offering guidance, and practical support where appropriate.

Novelis Recycling is committed to supporting and developing the UK's recycling infrastructure for used aluminium drink cans. If you would like any advice on any aspect of your aluminium collection please do not hesitate to contact our Metal Buying Team.

Full details of your local contact can be found in Section 4 or on our website:

www.novelisrecycling.co.uk

Selling to Novelis

- Novelis Recycling used beverage can pricing structure
- How to register as a supplier
- Our payment system
- Arranging a delivery

Pricing Structure

Novelis Recycling Used Beverage Can Pricing Structure

Novelis Recycling offers a guaranteed market and a competitive price for used aluminium drink cans of UK-origin, delivered loose or baled into a Novelis Regional Aggregation Centre and conforming to our quality specification (please refer to Section 3).

If you have UK-sourced UBC that has been shredded please contact your Novelis representative to discuss your material prior to arranging a delivery.

For current trade prices for UK-origin used aluminium drink cans, delivered to one of the Novelis Recycling Regional Aggregation Centres or direct to the Latchford recycling plant, you should contact your Novelis Recycling representative:

Keith Guest
Lead Scrap Procurement UK UBC
South West & Ireland

Tel: 01925 784138
Mobile: 07702 826200
Email: keith.guest@novelis.adityabirla.com

Bob Meath
Metal Buyer for the North,
Scotland & North Wales

Telephone: 01925 784135
Mobile: 07793 306238
Email: bob.meath@novelis.adityabirla.com

Paul Garlick
Metal Buyer for the South East

Telephone: 01925 784127
Email: paul.garlick@novelis.adityabirla.com

Selling to Novelis

How To Register As A Supplier

Before you can supply UBCs to Novelis Recycling you must register with us so that you can be paid on the self-invoicing system.

Please return a completed 'Self Billing Form' – this can be requested from our accounts department (details in Section 4) or downloaded from our website -

www.novelisrecycling.co.uk/suppliers-area/resources

If you are VAT-registered you will need to provide a copy of your VAT Registration Certificate. Novelis Recycling will be unable to pay VAT on your deliveries until this has been received.

Once you have been registered you will be notified of your supplier code (RE6 number).

Please note:

- If the UBCs you wish to sell us arise from a non-UK source you must notify us before arranging a delivery.
 - If a Packaging Waste Recovery Note (PRN) has already been issued for the material you are supplying you must notify us.
 - Please ensure that you notify Novelis Recycling of any changes in your bank and/or VAT details, and your contact details.
 - You should send this information to to Robbie Davies, Novelis Recycling:
- Telephone: [01925 784136](tel:01925784136)
E-mail: robbie.davies@novelis.adityabirla.com
- Information about your delivery will be forwarded to Novelis by the Regional Aggregation Centre and entered onto our payment system.

Our Payment System

Payment For Your UBC Deliveries

Novelis Recycling operates a self-invoicing system: Payment for deliveries to Novelis Recycling will be made directly into your nominated bank account by BACS.

Please do not invoice Novelis Recycling.

We accept no responsibility if BACS payments are delayed.

Novelis Recycling reserves the right to impose a reduction in payment for loads that do not meet our contamination tolerances.

Please see Section 2.

Arranging a Delivery

Arranging a Delivery

All deliveries should be made direct to our UBC Recycling Plant in Warrington or into a Novelis Recycling Regional Aggregation Centre. Details of the Regional Aggregation Centres can be found in Section 4 of this manual.

You must book a delivery slot for your load in advance. Deliveries may be turned away if not booked in advance.

Please quote your Supplier Number (RE6 number)

At the Novelis Plant or Aggregation Centre the driver will receive a weigh ticket, net of deductions for pallets and banding (20kg per pallet and 1kg per bale/bundle will be deducted).

Your delivery will be moisture tested. Deductions for moisture and other contaminants may be made.

Please see Section 2 for more information.

Novelis Recycling reserves the right to reject any loads that do not meet our specification (see Section 2 for our full specification).

Specification for Supply

- Novelis Recycling used beverage can pricing structure
- How to register as a supplier
- Our payment system
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Terms of Supply

Our Policy On Contaminated Loads

Novelis Recycling reserves the right to reject, without any compensation, any load which does not meet our specification.

Loads may be subject to rejection at a later date if found to contain contaminants that were not found on initial inspection.

In the event of a load failing to meet our specification for contamination or moisture it may incur a price reduction or a retrospective charge. In these circumstances it may not always be possible for suppliers to have loads returned.

It is accepted that all suppliers delivering to Novelis Recycling agree to these terms of supply.

Please refer to our procedure for handling contaminated material, also in this section.

Specification For Used Aluminium Beverage Cans

Contamination

Used aluminium beverage cans (UBCs) must be magnetically sorted to remove all steel cans before baling or briquetting.



The following items are regarded as contaminants in your delivery.

- Aerosols (see separate page)
- Burnt or oxidised cans
- Bottle Closures
- Cardboard
- Dirt, gravel, stones etc
- Foil
- Glass
- Grease
- Iron
- Lead
- Medical waste
- Paper
- Plastics and plastic film
- Rubber
- Sand
- Steel
- Radioactive material (no aluminium will be purchased if it contains radioactive contamination above background level. All material is tested on arrival)
- Wood
- WEEE/ electrical items of any kind, including aluminium components

Specification For Used Aluminium Beverage Cans

Contamination Tolerances

Novelis Recycling pays a consistently competitive price for quality aluminium UBCs. However, deliveries with excess contamination (above the tolerances laid out below) will be subject to reduced prices or retrospective charges.

Batch processing of each load delivered to the Novelis Recycling plant allows for accurate analysis of contamination levels.

Tolerances for steel and plastic

- The combined tolerance for steel and plastic contamination is 3% Tolerances for steel and plastic
- Loads found to contain above 3% will be subject to a deduction in value, back to 3%
- Deductions will be made via the Self Billing system
- Deductions will be backdated and applied to subsequent deliveries and will be made once a month, usually in the first week of the following month
- Deductions can be made up to 3 months after the date of the contaminated delivery
- Contamination and moisture analysis data are available on request from your designated Metal Buyer

Specification For Used Aluminium Beverage Cans

Aerosols

Novelis Recycling will only accept depressurised aluminium aerosols, evenly mixed with UBCs, up to a maximum 2% by weight.

The amount of aerosols contained in any delivery will be strictly monitored. Please ensure that deliveries containing aerosols comply with the following:- They must be distributed evenly across the whole load. You must not send whole biscuits or bales of aluminium aerosols.

They must be depressurised by having been put through a baling press.

They must be empty of all contents prior to baling.

The plastic cap must be removed before baling (the plastic valve is acceptable).

Failure to comply will result in your delivery being rejected.

Novelis Recycling reserves the right to reject, without compensation, any load that does not meet its specification.

Loads may be subject to rejection or incur a price reduction at a later date if found to contain contaminants that were not found on the initial inspection.



High aerosol content lead to this load being rejected.

Specification For Used Aluminium Beverage Cans

Moisture

We appreciate that UBCs can retain liquid and we can tolerate moisture at a minimum level.

All UBC deliveries are tested for moisture content on arrival at the Regional Aggregation Centre and the UBC recycling plant.

A moisture weight deduction will be applied to loads with a moisture content of more than 4%. In such cases the weight deduction will be calculated as the measured moisture content, less 2%.

The formula for calculating a deduction is as follows:

(i) **Measured moisture = 3%**

Weight deduction = 0

(ii) **Tested moisture is greater than 4%**

Measured moisture = 4.1%

Weight deduction = 4.1% - 2% = 2.1%

To reduce moisture contamination cans should always be purchased dry and stored indoors.

Contaminated Material

Contaminated Material

If your delivery is deemed to be contaminated to such an extent that the Novelis Recycling plant is unable to process it then we may be able to offer you an off site clean up process, at your cost.

If you agree to decontamination the material will be transported to one of our designated reprocessing centres where contaminants will be removed, so that it meets the Novelis Recycling specification.

When the decision is taken to reprocess your load you, or your driver, may be asked to sign to say that you accept that your load, or part of your load, is to be reprocessed.

Reprocessing costs, transport, handling and administration fees will be deducted from your payment.

Novelis Recycling would like to remind you that to receive the best possible price and avoid these charges you should only deliver clean, good quality aluminium cans.

The following pages detail the Novelis Recycling procedure for processing contaminated material.

Contaminated Material

Procedure For Processing Contaminated Material

If you make a delivery that is deemed to require reprocessing, you will be given the option to have the load decontaminated at one of our Reprocessing Centres. This may involve moving it from the UBC Recycling Plant or Aggregation Centre to the Reprocessing Centre, and any transport costs incurred will be deducted from your final payment.

On arrival at the designated reprocessing centre a weighbridge ticket will be issued for the full weight of your delivery. This will not be the weight you are paid for.

The delivered weight will include contaminants; the weight of contaminants will be deducted from the delivered weight.

The weight of aluminium cans only will be reported to the Novelis accounts department and this will be the weight used for the reduced price calculation.

The cost of transport, reprocessing and administration will be calculated and deducted from your final payment, thus giving a reduced price per tonne for your delivery.

A Self Billing invoice will be raised in the usual way: this will include the weight after removal of contamination and the reduced price per tonne that you will receive.

Novelis Recycling is unable to inform suppliers of the price per tonne before decontamination, as this will vary depending on the amount of contamination in the load.

Novelis Recycling is unable to guarantee a time period for decontamination or payment, as this will depend on the amount of material awaiting decontamination, and the amount of work involved to enable it to meet the specification.

Please contact Novelis Recycling (Section 4) for further advice on cutting the amount of contamination in your material.

Physical Specification

Physical Specification

Definitions



UBC BALE:

A low density, relatively large-sized block of flattened cans, typically produced by a paper-baling machine. Also known as a mill-size bale.



UBC BISCUIT or BRIQUETTE:

A relatively high-density, small-size block of cans.

Biscuits/briquettes should be a uniform size. Some can vary in size if produced by a non-ferrous baler.



BUNDLE:

A BUNDLE consists of up to seven layers of biscuits strapped together with six bands in such a way that there are two clear channels allowing the forks of a forklift truck to enter the bundle to facilitate lifting.

Physical Specification

Density of Baled Material

The density of the bales and biscuits produced should be checked using the following formula:

Bale/biscuit/briquette weight

Length (m) x width (m) x height (m)

For **bales** the bulk density is required to be in the range of:

200 to 350kg/m³

For **biscuits** the bulk density is required to be in the range of:

350 to 700kg/m³

Bales must be sufficiently dense to allow movement by fork lift truck without disintegration.

Physical Specification

Dimensions of Baled Material

Bales

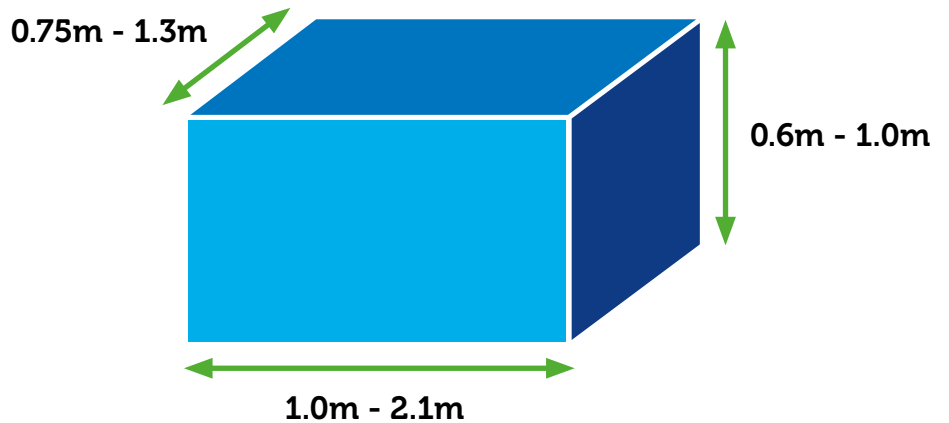
The preferred size is:

0.9m x 1.2m x 1.5m

Allowable size ranges are:

0.2m x 0.3m x 0.38m

Allowable size ranges are as shown:



Biscuits/briquettes

The preferred size is:

0.6 to 1.0m x 0.75 to 1.3m x 1.0m to 2.1m

Biscuits and briquettes that are within the following ranges are accepted:

0.16m to 0.23m x 0.25m to 0.33m x 0.26m to 0.51m

All biscuits/briquettes should ideally be of uniform size.

Physical Specification

Bundle Dimensions

Bundle dimensions

Biscuits/briquettes must be strapped together to form bundles. Bundle height must not exceed 1.38 metres (1.50m high when mounted on a pallet.)

Bundles may be strapped without using pallets, in such a way to leave channels for forks. This method should only be used with biscuits/briquettes of a uniform size. (Please refer to our standard procedure for assembling and strapping bundles in Section 3 of this manual, Transporting Your Material)

Maximum bundle size ranges are:

40 x 115 x 138cm
Maximum bundle weight = 1500kg

For biscuits/briquettes which vary in size all bundles should be solid (i.e. no channels) and strapped to a pallet.

Pallets

If pallets are used they should be in good condition (ie unbroken), large enough and strong enough to accommodate the load placed upon them. Material stacked on the pallet must not exceed a height of 1.50 metres and must not overhang the pallet.



Transporting Your Material

- Stacking of densified material
- Bales
- Biscuits/briquettes
- Strapping of bales and bundles
- Assembling and strapping a bundle

Stacking of Densified Material

Bales

Bales shipped on pallets

Pallets must be in good condition, unbroken and fit for purpose in relation to the size of bundle or bale loaded onto them. Bales should not overhang the pallet.

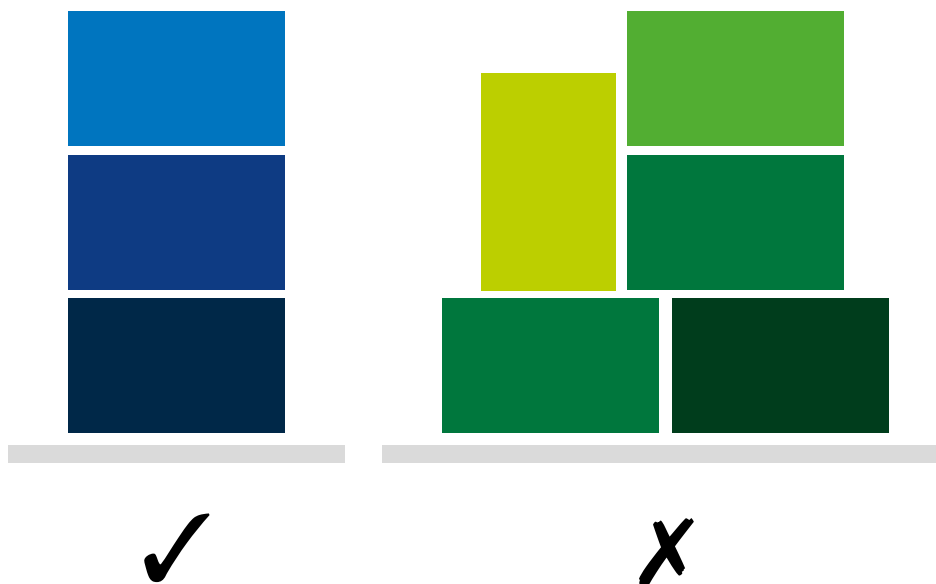
The largest surface of a bale should be horizontal for maximum stability. Bales may be stacked to a maximum of three (3).

Stacking must be in columns, ie bales stacked directly over each other.

'Brickwork' stacking, ie when a bale is stacked over 2 bales, is NOT acceptable.



Brickwork stacking is NOT acceptable



Please note: A deduction of 20kg per pallet will be made to your delivery in addition to a 1kg deduction per bale/pallet for banding.

Stacking of Densified Material

Biscuits / Briquettes

Biscuits/briquettes may be strapped together onto a pallet to form bundles. Biscuits/briquettes can be stacked without using pallets as long as there are channels for forks. This method should only be used with biscuits/briquettes of a uniform size. See diagram in Section 3:3

The top surface of any bundle must be flat to allow for multi-layer stacking.

Relatively equally-sized bundles may be stacked on top of each other. Bundles may be stacked three (3) high with runners (or pallets) between each layer. Stacking must be in columns. 'Brickwork' stacking is not acceptable.

Bundles and pallets must not be stacked on top of bales.

Stacking of Densified Material

Strapping of Bales and Bundles

Please ensure that all material is securely strapped and is safe to transport. Loads that are considered inadequately strapped when delivered to the UBC Recycling Plant or a Regional Aggregation Centre will be subject to a restrapping charge of at least £20 per tonne.

Strapping on bales and bundles must be sufficient in strength and quantity to ensure that each bale/bundle holds together well during transportation, off-loading and subsequent handling.

Aluminium and plastic strapping is acceptable (steel banding is not allowed).

Polyester / plastic strapping must be at least 12mm wide.

Shrink wrap and other materials e.g rope are NOT acceptable.

Use of support sheets of any material, including aluminium sheeting, is NOT acceptable.

The number of straps should take into account the size and density of the bale or bundle, and the strapping material used.

A deduction of 1kg per bale/pallet will be made from your delivery for strapping.

Biscuits

Generally four to six 15mm x 0.5mm steel or aluminium straps, or 30mm polyester straps of equivalent strength, should be used for each bale.

Bundles

We recommend that bundles be strapped using at least six vertical straps: three going from front to back, and three going from left to right.

At least three horizontal straps are recommended (at least two horizontal straps if the bundle is on a pallet)

Please refer to our advice on assembling and strapping a bundle later in this section.

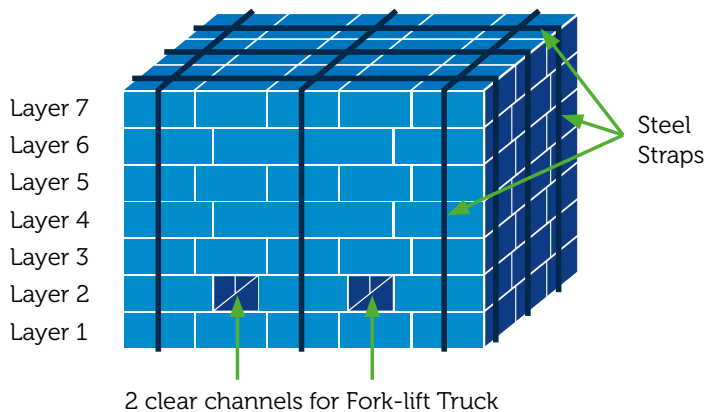
Mill-size bales

Mill-size bales delivered three (3) high on a wagon MUST hold together and be safe to transport/offload. They should be within 100mm in size of each other, not loaded 'pyramid' style and they must not overhang the pallet, making it unstable.

Assembling a Bundle

Assembling a Bundle

A bundle consists of up to seven layers of UBC biscuits strapped together with six bands in such a way that there are two clear channels to allow the forks of a forklift truck to enter the bundle to facilitate lifting.



Assembly:

- (i) The bottom layer of each bundle consists of 15 biscuits laid out in five rows of three biscuits, laid length-ways

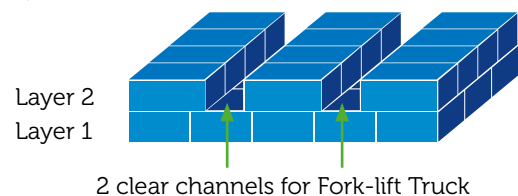
Layer 1



- (ii) Layer 2 consists of twelve biscuits laid out in three rows of four biscuits, laid widthways.

The rows positioned to give two clear channels.

Layer 1&2



Layer 3 consists of 15 biscuits laid out as per the bottom layer

Layer 4 consists of 16 biscuits laid out in four rows of four biscuits, laid widthways.

This is similar to layer 2, but with the extra row of biscuits taking up the space which the channels occupy.

Layer 5 consists of 15 biscuits laid out as per Layer 3

Layer 6 consists of 16 biscuits laid out as per Layer 4

Layer 7 (or top layer) consists of 15 biscuits laid as as per Layer 5, except the biscuits are laid with the banding slots facing up.

Assembling a bundle:

HEALTH AND SAFETY:

Gloves must be worn whenever handling UBC biscuits. Eye protection must be used whenever using the strapping tool.

Preparation:

- All layers, except the last, are to have the banding slots facing down.
- Each bundle to be assembled with at least an 18" gap all around, to allow for access and ease of strapping.
- Each bundle to have two clear sides to allow use of the strap reel holder.
- Each bundle to be assembled so that the channels are correctly orientated to allow a forklift truck easy access.

Useful Contacts

Novelis Recycling
Latchford Locks Works
Warrington, Cheshire
WA4 1NN

www.novelisrecycling.co.uk

Useful Contacts

Novelis

For advice about setting up a recycling scheme, equipment and quality issues please contact the Novelis Recycling representative for your area:

Keith Guest

Lead Scrap Procurement UK UBC
South West & Ireland

Tel: 01925 784138
Mobile: 07702 826200
Email: keith.guest@novelis.adityabirla.com

Bob Meath

Metal Buyer for the North, Scotland & North Wales

Telephone: 01925 784135
Mobile: 07793 306238
Email: bob.meath@novelis.adityabirla.com

Paul Garlick

Metal Buyer for the South East

Telephone: 01925 784127
Email: paul.garlick@novelis.adityabirla.com

For queries regarding payments please contact:

Robbie Davies

Telephone: 01925 784136
E-mail: robbie.davies@novelis.adityabirla.com

For more information on the Novelis Recycling Team and regional contact information, please visit our website at: www.novelisrecycling.co.uk

For enquiries regarding selling aluminium drink cans from outside the UK and Republic of Ireland, and for information about selling other aluminium scrap:

Paul Garlick

Telephone: 01925 784127
Email: paul.garlick@novelis.adityabirla.com

For general information on aluminium packaging recycling, including foil recycling:

Aluminium Packaging Recycling Organisation (ALUPRO)

1, Brockhill Court
Brockhill Lane
Redditch
B97 6RB

Telephone: 01527 595525
Lo-call: 0845 722 7722
Email: info@alupro.org.uk
Website: www.alupro.org.uk

Aggregation Centres

Novelis Recycling Regional Aggregation Centres



Aggregation Centres

Novelis Recycling Regional Aggregation Centres

Scotland

ACE Brightwaste Ltd
Whins Road
Alloa
FK10 3TA

Tel: 07563 790 722

East

European Metal Recycling (EMR)
Old Lane
Holbrook Industrial Estate
Halfway
Sheffield
S20 3GZ

Tel: 0114 234 8219

North West

Tandom Metallurgical Group Ltd
Radnor Park Industrial Estate
Congleton
Cheshire
CW12 4XE

Tel: 01260 271 122

Midlands

Tandom Metallurgical
(Midlands) Ltd
Apex Road
Brownhills
Walsall
WS8 7EP

Tel: 01922 270 605

South West

Thamesdown Recycling
Kingshill Recycling Centre
Cricklade
Swindon
Wiltshire
SN6 6JR

Tel: 01793 750 468

East London

European Metal Recycling Ltd
(EMR)
Manor Road
Erith
Kent
DA8 2AD

Tel: 01322 336 970