

AggRegain

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(Pre-) Registration of recycled aggregates

Recycled aggregates that are produced and sold as recovered products rather than waste are subject to the controls of REACH legislation, as detailed in these [DEFRA](#) and [UK REACH Competent Authority \(UK REACH CA\)](#) guidance documents.

The UK REACH CA has set up a dedicated [helpdesk \(UKREACHCA@hse.gsi.gov.uk\)](mailto:UKREACHCA@hse.gsi.gov.uk) or 0845 408 9575) for general enquiries and information on the implications of REACH. This page provides the latest guidance for recycled aggregates processors.

Producers of recycled aggregates must pre-register by 1 December 2008 to continue selling their output as a recovered product legally.

The preferred route to pre-registration is to consider recycled aggregates as a preparation consisting of a mixture of various substances. Preparations themselves do not need registering, while each of their components needs to be identified and separately registered if appropriate.

The following summarises the categories of components of recycled aggregates, according to the European test method pr-EN 933-11: Classification for the constituents of coarse recycled aggregates, and the REACH (pre-)registration requirements:

pr-EN 933-11 Description

- [Rc](#) : Concrete, concrete products, mortar, concrete masonry units
- [Ru](#) : Unbound aggregate, natural stone, hydraulically bound aggregate
- [Rb](#) : Clay masonry unit (e.g. bricks & tiles), calcium silicate masonry units, aerated non-floating concrete.
- [Ra](#) : Bituminous materials
- [Rg](#) : Glass
- [FL](#) : Floating materials in volume and X : Other

[Rc](#) : Concrete, concrete products, mortar, concrete masonry units

There are uncertainties about the classification of concrete within REACH. WRAP and the UK REACH CA, in collaboration with industry representatives, are trialling a pre-registration approach with the European Chemicals Agency (ECHA).

You are advised to consult regularly this page until ECHA has confirmed or otherwise the proposed classification. Please wait before (pre-)registering concrete as component of your recycled aggregates.

[Ru](#) : Unbound aggregate, natural stone, hydraulically bound aggregate

Natural minerals are exempt from the need for registration (REACH Annex V, paragraph 7) hence pre-registration also is not required.

[Rb](#) : Clay masonry unit (e.g. bricks & tiles), calcium silicate masonry units, aerated non-floating concrete.

These materials appear to be covered by a European Inventory of Existing Commercial Chemical Substances (EINECS) entry.

You are advised to pre-register this constituent if contained in your recycled aggregates. You

will need to pre-register it as: "Ceramic materials and wares: chemicals" EC Number: 266-340-9.

Ra : Bituminous materials

Bituminous materials can be a combination of a bitumen binder and aggregates. The aggregates are dealt with under Ru but a pre-registration will be needed to cover the binder.

There are several EINECS entries for 'Asphalt' and these should be considered to ensure the substances chosen are appropriate to the wide range of materials under consideration. There is however a broad entry that should be suitable for most uses.

You are advised to pre-register this constituent if contained in your recycled aggregates. You can pre-register it as: "Asphalt" EC Number: 232-490-9.

Rg : Glass

Window and container glass are exempt from the need for registration (REACH revised Annex V, paragraph 11) hence pre-registration also is not required.

FL : Floating materials in volume and X : Other

Both are considered as impurities (<1% by mass) within the preparation "recycled aggregates" hence outside the requirements for (pre-)registration.