# TAPOJÄRVI PRODUCTS (TAPOEKO)

Tapojarvi Italia intends to place on the market products deriving from the recovery of waste, in particular stainless steel slag. These products, at the moment, are of two types:

- **Filler:** slag, with <2% metal part, 0-1 mm in size from the Dry filler circuit and from the dedusting systems present within the New Metal Recovery plant.
- **Aggregates:** slag with parts with a maximum size of ~25 mm, with a <2% metal part, coming from the Jig Separation and Screening treatments carried out within the New Metal Recovery plant.

## EoW Authorization

Article **184-ter** of **Legislative Decree 152/2006**, amended by **Law 128 of 2 November 2019**, expresses the criteria for the cessation of waste status, commonly identified as "End of Waste".

According to that article, waste ceases to be waste and becomes a product when it has undergone a recovery operation, including recycling, and meets the specific criteria, to be adopted in compliance with the following conditions:

(a) the substance or object is intended to be used for a specific purpose; → ***Use in construction and roads***

(b) there is a market or demand for that substance or object; → ***Requests from various customers in the field of construction and roads***

(c) the substance or object meets the technical requirements for the specific purposes and complies with existing legislation and standards applicable to products; → ***requirements as per standard regulations and/or customer requests***

(d) the use of the substance or object will not lead to overall negative impacts on the environment or human health. → ***registration according to the REACH regulation as a non-hazardous substance; bounded use in the event of exceedances of the limits of the table in Annex 3 of Ministerial Decree 05/02/1998 and subsequent amendments*** (***Decree of 5 February 1998*** *(Ordinary Supplement to the Official Gazette No 88 of 16 April 1998)* ***Identification of non-hazardous waste subject to simplified recovery procedures pursuant to Articles 31 and 33 of Legislative Decree No. 22 of 5 February 1997*** *(version coordinated with the Ministerial Decree of 5 April 2006))*

The recovery operation may consist simply of checking the waste to see if it meets the above criteria.



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**Share capital € 5,000,000**
**CF / P.IVA 14988201001**
**C.C.I.A.A. Terni n. R.E.A. 112174**

ISO 9001
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The treatment within the New Metal Recovery (NMR) of the slag generates a waste identified with EER code 10.02.01 - Waste from the treatment of slag (from the steel industry).

The **FILLER and AGGREGATES** coming out of the aforementioned NMR plant are therefore **WASTE** that will undergo recovery operations in order to become marketable products.

The **RECOVERY OPERATIONS** of such waste are listed in Annex C to Legislative Decree 152/06: the materials in question will be subjected to the operation "R5 - recycling/recovery of other inorganic substances".

With the MANAGERIAL DETERMINATION NO. 8523 OF **24/08/2022** by the Umbria Region, Tapojarvi obtained the approval of the Substantial Modification of the Integrated Environmental Authorization, pursuant to Legislative Decree 152/2006 and subsequent amendments, art. 29- nonies paragraph 2, for "Waste Project".

The R5 recovery operation **of the EER 10.02.01 slag was therefore authorized for the production of products classified as:** fillers and aggregates, **for specific** "bound" use.

Although the use bound in matrices does not provide for the obligation to perform the leaching test, as also stated in the Guidelines on the use of Black Slag of the Lombardy Region, Tapojarvi will have the test performed for the first 10 lots of fillers and the first 10 lots of aggregates. In the event of exceeding the limits of the table in Annex 3 of Ministerial Decree 5.2.98, the use of the products must take place exclusively in binding matrices.



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