



SOLUTIONS

Construction material recycling

# Added value with recycled aggregates



## Solid basis with a seal of quality

Recycled aggregates are economical and sustainable alternatives to raw materials such as gravel and sand



REMEXIT is a quality-controlled recycled construction material produced in a variety of aggregates primarily for use in civil engineering, road construction and earthworks. Production is based on mineral materials such as soil, construction waste and road rubble, that result from the demolition, reconstruction or renovation of buildings or from the expansion and maintenance of roads.

### High-quality construction material recycling

The processing of mineral construction waste is carried out mechanically in the form of crushing, screening, sorting out impurities and separating iron. In order to achieve highest qualities, individual steps are carried out several times. The metals recovered in the process are recycled. The resulting mineral fraction is combined into different grain classes depending on the intended application.

### Production by specialists

REMEXIT is a REMEX Group brand. The production and sale of recycled aggregates is carried out exclusively by REMEX or our subsidiaries and associated companies.



Find more information about our branded construction material, including details on the production process of recycled aggregates on our dedicated website > [remexit.de](https://remexit.de)

### Environment defines the regulatory framework

The protection of soil and groundwater is an essential factor in the use of secondary construction materials such as recycled aggregates. Therefore, the local regulatory framework must always be observed before planning use. The most important influencing factors to be considered include the geographical location of construction projects within or outside water protection areas and the minimum distance of the material to the highest expected groundwater level.

### Applications made easy

The most important areas of application for REMEXIT in terms of volume are in road construction and earthworks. Due to its structural-physical properties, the recycled construction material is excellently suited for use as subbase and base course for roads of all load classes. Other important areas of application are industrial and commercial construction, where recycled aggregates offer ideal alternatives to primary aggregates due to their high load-bearing capacities. This is especially true in the logistics sector, where large loads have to be supported both from the substructure of warehouses and under transport surfaces with heavy traffic.

[applications.remexit.de](https://applications.remexit.de)

A concise overview of the areas of application depending on material classes can be found on our website.



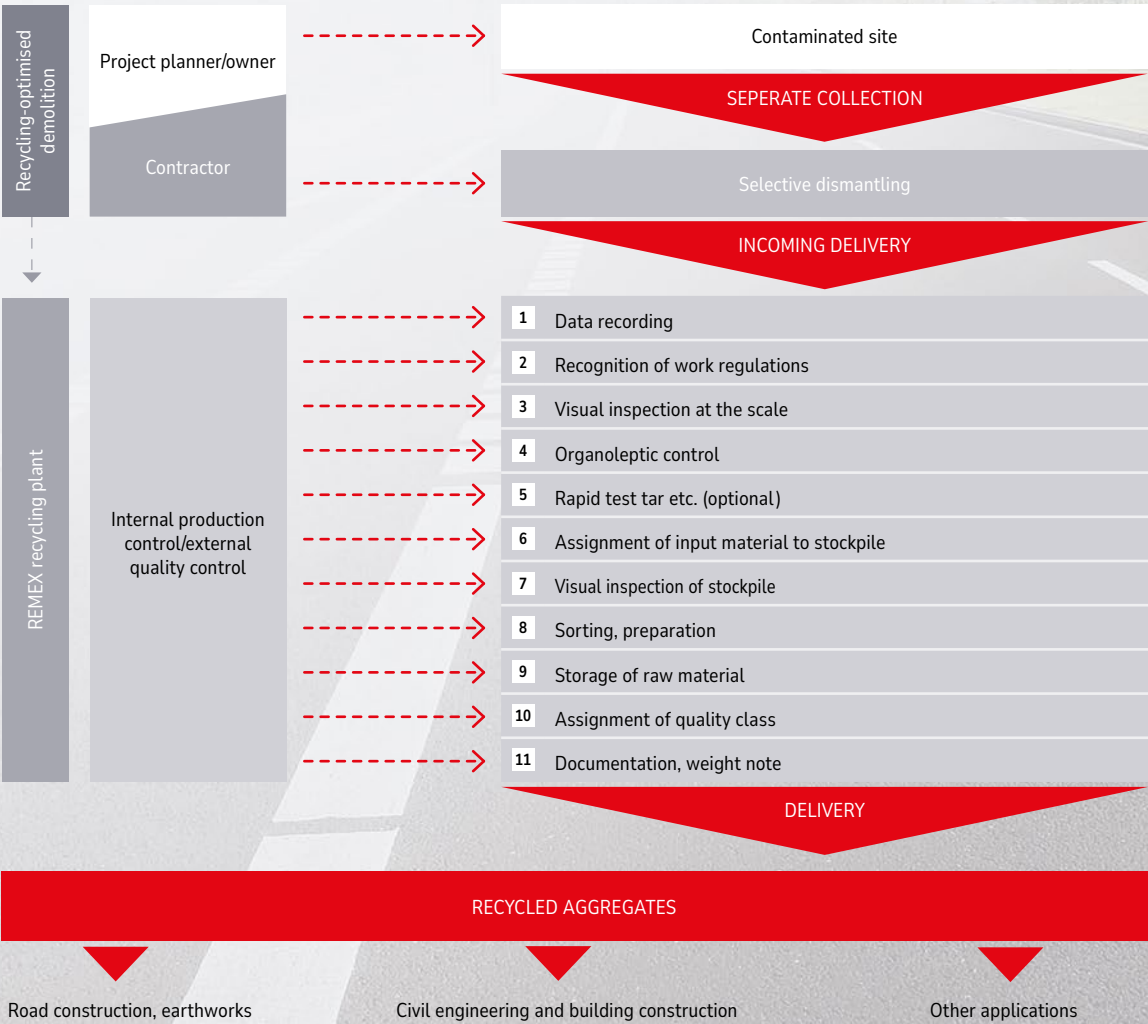
### Regulations at a glance

Numerous regulations must be observed for the recycling and reutilisation of mineral construction waste. These include environmental specifications as well as structural regulations. In principle, recycled aggregates are assigned to corresponding material quality classes. The higher the quality, the more extensive the recycling options.



# REMEXIT sets standards

Recycled aggregates consist mainly of concrete, clinker, asphalt, gravel and sand. The quality of the construction material is defined by the quality of input materials. Therefore, selective deconstruction and the separate collection and storage of mineral waste at the construction site are decisive aspects for ensuring high-quality construction material production. Within the framework of quality assurance, we apply a detailed control system.



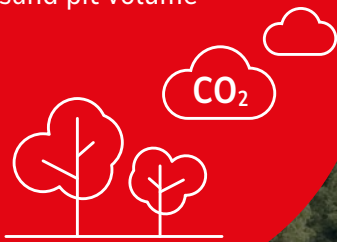
[quality.remexit.de](http://quality.remexit.de)

The suitability of recycled aggregates is determined within the framework of quality monitoring. This includes both material and water management testing. In Germany for example, only recognised test centres are permitted to carry out the proof of suitability testing and external monitoring. Corresponding test certificates serve as proof.

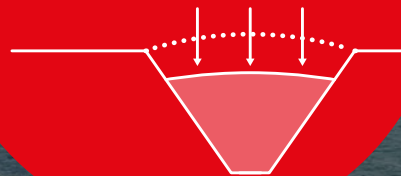
# Environmental benefits of recycling

According to data from the German construction industry initiative „Kreislaufwirtschaft Bau“, the German construction industry's demand for aggregates has averaged around 550 Mil. t in recent years. Around 12 % of this demand is covered by recycled aggregates. A relevant contribution to resource conservation – because every tonne that is not mined from natural resources protects the landscape. At the same time, more than 200 Mil. t of mineral waste are produced in Germany every year in the form of soil, stones, construction and demolition waste and road rubble. The annual utilisation of about 70 Mil. t of this waste stream as recycled construction materials provides enormous relief to landfills.

Landscape protection  
of **30 Mil. m<sup>3</sup>/a**  
gravel/sand pit volume



Relieving landfills  
of **70 Mil. t/a**  
of mineral waste



[kreislaufwirtschaft-bau.de](http://kreislaufwirtschaft-bau.de)

Current data on the generation and utilisation of mineral construction waste in Germany can be found on the website of the industry association.

The REMEX Group combines special construction material solutions and service concepts for the waste management industry, construction sector and industrial production under the name REMEX Solutions. The portfolio includes secondary aggregates GRANOVA and REMEXIT as well as the services PP-LANDFILL for cooperation in landfill projects and TS-RECOVERY for the management of road demolition waste containing tar.



REMEX GmbH  
Am Fallhammer 1 // 40221 Düsseldorf  
Germany // T +49 211 17160-0  
[remexit.de](http://remexit.de) // [remex-solutions.de](http://remex-solutions.de)



@remex.gruppe  
REMEX-Gruppe