

Mobile excavated materials reprocessing



RECYSOIL®

In situ rehabilitation of excavated material and backfilling of the trenches.

RECYSOIL® is a mobile production center of mortar, which recycle the excavated material. Combined with a trencher, it allows to lay the network and backfill the trench in a single operation.

Process

- Crushing of spoil from trenching
- Screening and sorting of aggregates
- Production of a mortar by a concrete station
- Backfilling of the trench

Specific features

- Conversion of all type of aggregates into sand with size controlled particles.
- Production of the mortar by an automated concrete station
- Dosage optimization weighing of each component
- A PLC manages the production cycle
- Two operators are sufficient for operations

Assets

- Conservation of natural resources
- Reduced environmental impact
- Suppression of concrete supply cost and organization
- Suppression of organization and cost for excavated materials removals
- Productivity gain

Innovation

- In only one operation, in situ transformation of excavated material and backfilling of the trench
- The Ecosoil® binder comes from industrial co-products





Features

Crusher

- Type: impact crusher
- Capacity : 50 t/hr
- Hydraulic drive and belt

Screen

- Surface area : 2,5 m²
- One deck screen

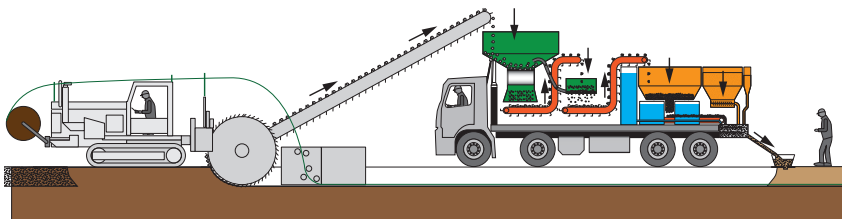
Concrete batching plant

- Brand: Kimera
- Capacity: 25 m³/h
- By PLC weight dosing

Sizes and weight of the unit

- Length in working position: 14 m with mortar hopper
- Transportation length: 11.60 m
- Large: 2.55 m
- High: 4 m
- Weight: 29,5 tons

Technical diagram



Carrier

- Road carrier 8 x 4
- 420 ch (309 kW) diesel engine
- Speed in road mode : 56 mph / 90 km/h
- Dual feed system mechanical/hydrostatic

Accessories

- Manufacture of the mortar radiocontrol piloting
- Radio communication device between operators: walkie-talkie



CE PROJET EST COFINANCÉ PAR
LE FONDS EUROPÉEN DE DÉVELOPPEMENT RÉGIONAL



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