

The product has been granted
End-of-Waste (EoW)
status in Finland.

LOW-CARBON, ASH-BASED STABILISATION BINDER

for Infrastructure and Environmental Construction

EcoIntellect recycled binders are manufactured from carefully selected raw materials, consisting mainly of industrial side streams generated by power plants and the mining and construction industries.

EcoIntellect recycled binders have among the lowest carbon footprints on the market. CO₂ emissions are reported for the manufacturing stages (A1–A3) and, when required, in accordance with EPD modules A1–A4. Stabilisation improves the reuse potential of low-quality soil materials while reducing the need for virgin materials and lowering logistics costs.

Binder formulations are tailored to each customer and project, meaning that the proportions of different raw materials vary depending on the specific application.

E65 binders contain fly ash and lime-based additives



APPLICATIONS

Road base reinforcement, field structures, ground reinforcement, reinforcement of peat fields, port construction, noise barriers, landfill structures, mine backfilling, contaminated soil (PIMA) stabilisation, treatment of sulphate soils, and similar applications.

The designer's work instructions must always be followed for each application.

STABILISATION WORK

Stabilisation work must be carried out in accordance with the designer's work instructions, using suitable machinery and equipment. The contractor must follow the applicable occupational safety instructions and use appropriate personal protective equipment.

EcoIntellect binders are suitable for both mass stabilisation and deep mixing.

STORAGE

The product must be stored in a dry storage facility. It must not come into contact with rain or other free water before final use. If the product is stored in an open storage area (e.g. a flat storage silo), it must also be protected from atmospheric moisture with plastic sheeting or a similar cover.

The binder must be used for stabilisation within 14 days of delivery.

DOSAGE

For stabilisation projects, the designer's dosage instructions must always be followed. The table below shows indicative application rates.

E65 PROPERTIES

APPLICATION	DOSAGE	RESULTS
Sediment stabilisation	80–120 kg/m ³	Meets the specified requirements
Field structure (clay)	80–120 kg/m ³	Meets the specified requirements
Road bearing (bound) layer	30–35 kg/m ²	Shear strength > 80 kPa
Hardening fill	150 kg/m ³	On site 1–3 MPa/90 d
PIMA stabilisation	100–200 kg/m ³	According to project-specific requirements

DELIVERY: Bulk delivery.



CLEANER SOLUTIONS FOR BETTER STABILISATION

FURTHER INFORMATION

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