

STABILIA

a solid base



STABILIA is a sustainable alternative, combining the strength of concrete and the permeability of a granular base, for a hybrid pavement solution.

DURABLE

Traditional base have forced pavement designers to choose between the flexibility of a granular drainage base or the sturdiness of a rigid concrete base. STABILIA is a reliable base alternative that achieves:

- Long-term stability and a level working platform
- High strength characteristics with cement-stabilized aggregate
- Density results of 98% proctor
- Stiffness (resilient modulus) values of at least 600 MPa

DRAINAGE

While conventional concrete provides rigidity, it does not provide the same permeability as a granular base. A concrete base often experiences trapped salt and moisture within the bedding layer of sand, which can cause the eventual break down of the concrete base. STABILIA provides:

- Permeability rates similar to compacted granular
- The use of less material than conventional granular
- A cost-effective base option

SUSTAINABLE

Much of the performance of pavers and the future maintenance that will be required is dependent on the base on which you place them. Unlike conventional granular base, STABILIA will not experience the effects of settling, making it a more sustainable alternative by lengthening the lifespan of your pavements. STABILIA contains a high percentage of environmentally friendly products:

- The use of less material to achieve longer lasting results
- Aggneo Pro™ recycled concrete aggregate
- Contempra™, a cement manufactured with a 10% reduction of CO₂
- Stronger materials for longer lasting pavement structure
- Maintains levelling, and reduces gap widening or grass-growth between pavers

APPLICATIONS

SABILIA is placed exactly the same way as a regular granular base. It is compacted and covered off with a final layer of sand before accepting the paving stones of choice. Not limited to a particular type of application, the base can be used in both small residential or large-scale commercial projects. The most common applications for STABILIA include:

- Driveways
- Walkways, Pathways, Sidewalks
- Roads, Highways
- Parking Areas
- Patios, Courtyards, Pool Decks
- Temporary Construction Haul Roads

STABILIA can be used in any area where interlocking paving stones are regularly used and proper drainage and stability is desired.

CHARACTERISTICS

STABILIA is a cement-treated granular base with the following performance characteristics:

- A wet density of approximately 2400 kg / m³
- A coefficient of permeability similar to road granulars
- Up to 95 % recycled materials

INSTALLATION

Amount and type of traffic, soil conditions, weather and locally-available materials are all parameters affecting the base performance. Although it is an aggregate material, STABILIA is delivered in a moist state by a ready-mix truck, making it more accessible to any project location.

The placement and compaction of STABILIA is required up to 8 hours from being processed at the plant. The working time may be affected by the climate conditions and associated with moisture content.

Installation advantages and techniques of STABILIA are :

- High compactability and ease-of-placement,
- Flexible workability time frame,
- Ability to install leveling sand and paving stones immediately after compaction and wetting of the Stabilia
- Installation method consists of:
 - 1) Placing, leveling, and compacting of STABILIA,
 - 2) Spraying small amounts of water over the compacted base,
 - 3) Addition of bedding sand and placement of the pavers.

DELIVERY

With a presence across Canada, Lafarge has the best network to serve your projects. Depending on the project needs, delivery method includes: dump trucks, slingers and mixer trucks. Pick up directly from the processing plant can also be arranged, in selected locations.



To discuss your customized mix and further requirements, please call us at:

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