



VA **EVO**
ADDITIVES

BRUNUS KD-7

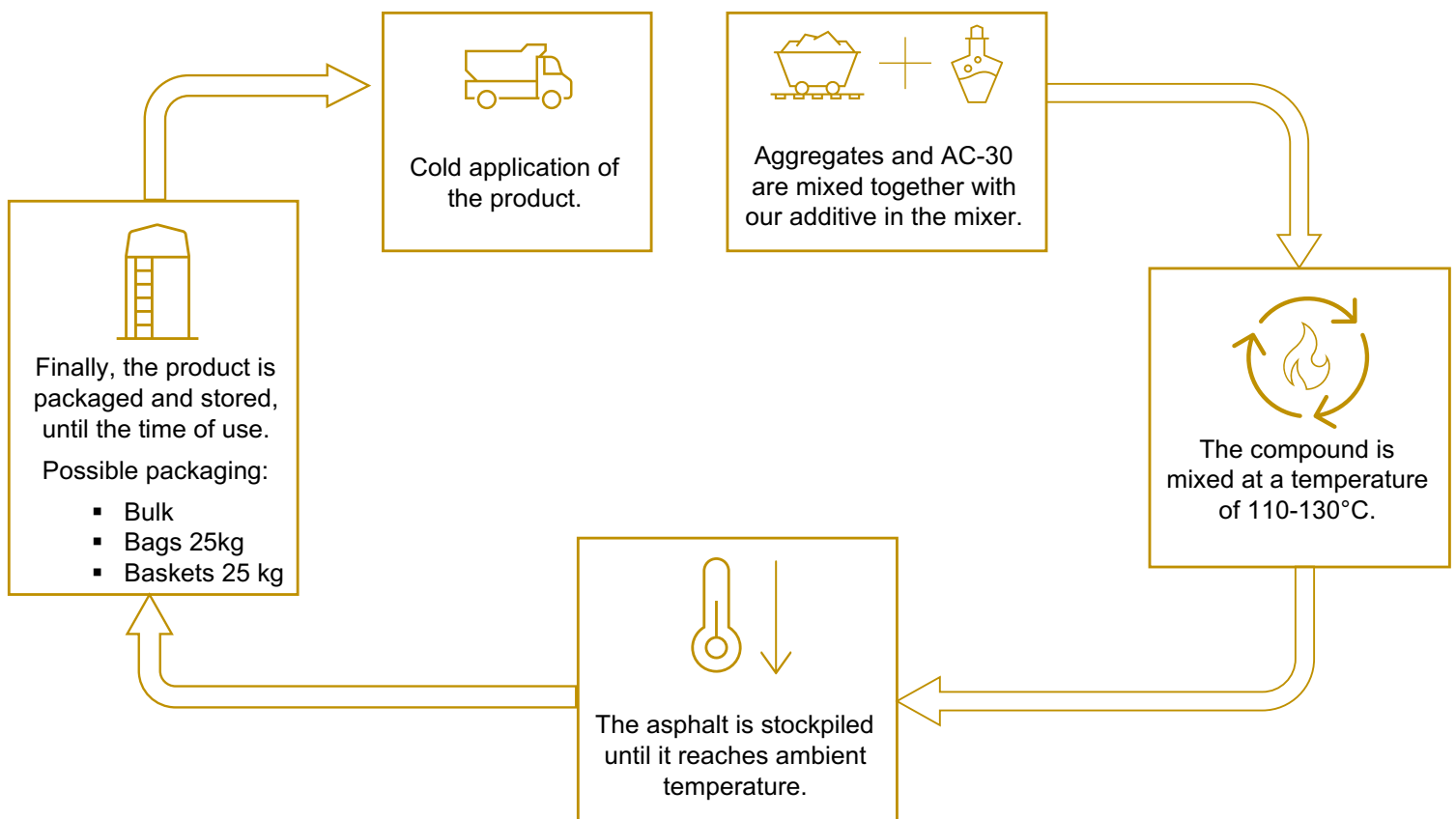
BRUNUS KD-7

BRUNUS KD-7, is an organic additive for the manufacture of conventional semi-hot asphalt mixtures and can be applied at ambient temperatures. This product has been developed with the aim of facilitating road maintenance operations and achieving the same performance as hot manufactured asphalt but with cold application, which reinforces safety during application.

BRUNUS KD-7 guarantees healthy, plastic and workable cold mixes for long periods of time. It can be stored for up to 24 months until application without loss of performance. The surplus asphalt can be stored again, so that it can be used for other maintenance work, which leads to a total reduction of waste material. This advantage helps to protect the environment, as it does not generate waste.

Thanks to its setting delay, it allows us to work more efficiently in adverse conditions.

How to manufacture with **BRUNUS KD-7**?



BENEFITS

Some of the benefits of using **BRUNUS KD-7?**

BRUNUS KD-7	BENEFITS
✓	Can be stored for up to 24 months, allowing for future applications without inconvenience or properties' deterioration.
✓	No need for heavy machinery during application.
✓	Lower energy consumption, as it is produced at lower temperatures.
✓	Can be applied in extreme and changing weather conditions, including snow and rain.
✓	Demonstrates greater fluxing properties than conventional mineral products, which allows reducing the comparative doses of use.
✓	Once applied traffic can be resumed immediately, avoiding traffic disruptions.
✓	Surplus asphalt can be re-stocked for use in another operation.
✓	Ready to use cold asphalt.
✓	Asphalt designed to be resilient and durable
✓	Suitable for CE marking

APPLICATION



Our asphalts can be applied in 3 simple steps, allowing traffic to resume immediately after application.

1 Clean

Before using the product, it is recommended to clean the working area. The presence of humidity or water residues is not an impediment.



2 Pour product

The asphalt is poured directly into the pothole or area to be repaired. Approximately two centimetres outwards from the perimeter of the area to be repaired should be covered so that the compaction is in line with the existing asphalt.



3 Compact

To finalize the application of the product, using basic compaction tools, such as a metal plate tamper or a roller compactor. For better sealing, it is recommended to moisten the mixture during compaction.



If the pothole is very deep, it is recommended, to apply the product in layers of 5 centimetres at a time to improve compaction with a bigger granulometry at the base (AC-25) and smaller above it (AC-11).

STORAGE AND HANDLING

BRUNUS KD-7 has been developed to improve asphalt performance, focusing on health, safety and the environment.

Recommended storage and handling guidelines are listed below.

STORAGE

- Store in accordance with local regulations.
- Store in original container protected from direct sunlight, in a dry, cool, well-ventilated area, away from incompatible materials and food and drink.
- Keep container tightly closed and sealed until ready for use.
- Opened containers should be tightly closed with care and kept upright to avoid spillage.
- Do not store in unlabeled containers.
- Use appropriate safety packaging to avoid contamination of the environment.

Temperature:

- For a correct maintenance of the product, a temperature in the original container of 10°C - 25°C is recommended

Shelf Life:

- The useful life of our products in storage is 2 years.

HANDLING

- Always handle additives according to the Safety Data Sheet (SDS) and proper safety procedures.
- Chemically stable product.

BRUNUS KD-7

Hot asphalt for cold application

Our **BRUNUS KD-7** additive allows you to produce a hot asphalt, capable of being applied cold.



Asphalt manufacturing with **BRUNUS KD-7** is between 110 and 130°C, so it consumes less energy and produces fewer greenhouse gases.

Workable in areas with extreme, changing or adverse climates.



Immediate return of traffic, reducing delays for users.

Adding **BRUNUS KD-7** provides these results



LOWER RISK



**LESS ENERGY
EXPENDITURE**



**EASY
WORKABILITY**



**STORABLE
(+2 YEARS)**

VA **EVO** **ADDITIVES**

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