

WARM-MIX®

FOR WARM MIX ASPHALT

WARM-MIX® is a special additive to reduce the mixing and compaction temperatures of hot mix asphalt without sacrificing the quality of the resulting pavement

Chemical-Physical Properties

Appearance	WARM-MIX P	Powder
	WARM-MIX G	Granules
Colour		White
pH		11
Water absorbed		Approx. 25%

Applications

WARM-MIX® contains approximately 25% water by mass and is released in the temperature range of 50-200°C. When **WARM-MIX®** is added to the asphalt mix, water is released. This water release creates a volume expansion of the binder that results in asphalt foam and allows increased workability and aggregate coating at lower temperatures.

Advantages

The addition of **WARM-MIX®** to asphalts permits to:

- use manufacturing lower temperatures than normal, decreasing the CO₂ emissions;
- pave and compact the asphalt with lower temperatures, avoiding especially for modified asphalts problems by delay until paving;
- improve the workability asphalts in cold climates;
- improve the workability of the asphalt;
- maintain the traditional mixing time, without to reduce the production capacity of the plant.

Modality of use

WARM-MIX® dosage varies in accordance to the modification required, normally the dosage is made from 0,2 to 0,3% of the mix weight. **WARM-MIX®** must be added to the asphalt plant mixer; after the introduction of the dried aggregates, with 30-50°C lower temperature than normal, **WARM-MIX®** will be added after the bitumen dosage.

We recommends to use a antistripping agent to improve the quality of the asphalt mixes. **STARDOPE®** is a liquid antistripping agent the dosage vary from 0,2% to 0,5% of the bitumen weight

Dosage

WARM-MIX® can be used as for continuous type as for batch type asphalt plants. Normally it will be added by automatic dosing devices, otherwise it can be added manually.

Package

The product can be delivered in 500 kg big bags or at request in bulk for silos.

Storage

WARM-MIX® must be stored under dry conditions in the temperature range between -10°C and 70°C.

Warning

WARM-MIX® is not dangerous as for humans as for the environment. For more information please see the Safety Data Sheet, available upon request.

The present card contains technical information of our products at our best knowledge. STAR ASPHALT S.p.A. assumes responsibility exclusively for the applications carried out under its directly supervision.

STAR ASPHALT S.p.A.

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