

INDUSTRIAL EQUIPMENT FOR THE HOT RECYCLING OF ASPHALT MIXES**Abstract**

The invention relates to industrial equipment for the hot recycling of asphalt mixes, characterised in that it comprises a portable bank of hoppers which are used to meter RAP and unadulterated stone materials and which are mounted on a supporting structure, along with gear motors which control the metering and send a signal to a flow indicator in a control panel where it is recorded and controlled. A conveyor belt is provided below the hopper bank in order to receive the material and transport same to a rotary cylinder comprising an industrial open- flame burner that is used to transmit heat energy indirectly to the RAP and to the supply of unadulterated stone material. The invention also comprises: a tank for storing a mixture of asphalt and rejuvenating agent enhanced with polymers, which is metered using a volumetric gear pump through a pipe towards the rotary cylinder, the outlet of said cylinder comprising a temperature sensor that sends a signal to the recycled asphalt mix temperature indicator in the control panel; a recycled asphalt mix lifting system which conveys said mix to a discharge silo; a combustion gas extractor for discharging combustion gases from the burner; a fuel storage tank used in the industrial burner; and a weight measuring element at the inlet of the rotary drum.

[Fig No. 1]