

- Superheated steam (160-180°C)
- 60 to 1400 kg/steam/hour
- 48 KW/H to 1,1 MW/H
- Stationary or mobile solutions

SIMOX — Mobile Heating Solutions in Container

CONTAINER HEATING (980KW) FOR THE MOBILE CONCRETE MIXING PLANT FOR THE FRÉJUS FRANCE/ITALIE TUNNEL : OUTDOOR : -20°C , PRODUCTION : 45 M3/H OF CONCRETE AT 15°C.



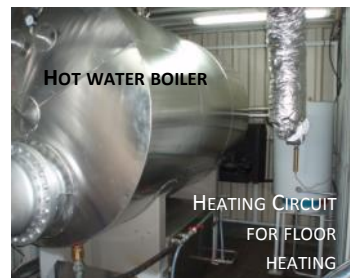
- Production of warm concrete during winter time
 - ▶ De-icing / Thawing of aggregates
 - ▶ Generating of hot mixing water
 - ▶ Heating floor
- Heating of buildings with air/steam exchanger
- Steam curing of precast concrete elements

STEAM INJECTION IN THE
AGGREGATES AT THE BOTTOM
OF THE SILOS



Installation in a container :

- Reconditioned Container (re-painted according to customer request)
- Steam boiler (power up to 1.1 MW)
- Hot Water Generator (3000 litres) with stainless steel water tank for collecting of condensate
- Separated area for fuel tanks (4500 litres) with lateral access and up-filling from the outside
- Heating to keep frost-free 3000 W
- Heat exchanger for floor heating with circulation pump
- Steam distributor for silo and air/steam exchanger
- Connection of water (hot and cold) and steam to the outside of the container with fittings



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SIMOX — CONCRETE HEATING SOLUTIONS



CONCRETE BATCHING PLANT

- Production of warm concrete during winter time
 - ▶ De-icing / Thawing of aggregates
 - ▶ Generating of hot mixing water
- Steam curing of precast concrete elements



MOBILE CONCRETE MIXER

Heating of aggregates

Steam injection

- Directly in the bottom of the silos/material boxes, or
 - By means of special lances which are plunged in the aggregates wherever they are stocked
- Steam effectively has a calorific exchange power which is superior to heated air.

Generating Hot Mixing Water

The best way to produce warm concrete is by both,

- Heating aggregates,
- AND using hot mixing water, which can be supplied by SIMOX Hot Water Generators.

This combination allows an optimal regulation of calorific input between the aggregates and the mixing water. Thus you obtain concrete at a temperature superior to 15°C, even during cold winters. .

Steam curing of precast concrete elements

SIMOX low pressure steam boilers enable to obtain :

- Moulds of concrete elements (kerbstones, flaggings etc.) can be removed up to 3 x a day
- Increasing quality and resistance of concrete elements
- Improved storage and logistic possibilities at the construction site, as these processes can also be done at the drying area.

SIMOX - solutions for

- Concrete Batching Plants
- Mobile concrete mixers
- Precast concrete elements plants

SIMOX

- ▶ 57 years of experience
- ▶ Operating in more than 50 countries

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SIMOX — Mobile Heating Solutions in Container Exemple

