

Curing of Specimens

Both ASTM and EN specifications require the specimens to be left in the mould for the first 16 hours up to a maximum of three days, protected against shock, vibration and dehydration at a temperature from $20 \pm 5^\circ\text{C}$ or $25 \pm 5^\circ\text{C}$ in hot climates (EN method) and 16 to 27°C (ASTM method). After the removal from the moulds the specimens have to be stored in a moist condition at $20 \pm 2^\circ\text{C}$ (EN) or $23 \pm 1.7^\circ\text{C}$ (ASTM) with a relative humidity $\geq 95\%$. Alternatively they can be cured in water at the same temperature.

CURING TANKS

STANDARD

EN 12390-2 – ASTM C31, C192, C511

55-C0191/B

Concrete specimen curing tank,
1000 litres capacity.
230 V, 50-60 Hz, 1 ph.



55-C0191/B with upper racks
55-C0191/3

General description and specifications

Designed for curing concrete cubes and cylinders. The temperature can be set and maintained to the required value by an electric resistance incorporating a thermostat. The tank is made from zinc coated sheet steel and is supplied complete with base rack. Suitable upper racks to hold concrete cubes are available on request (max. 8 pieces). The tank can be fitted with a submersible circulator pump (see 55-

C0191/5) to assure good temperature uniformity.

Temperature range:
from ambient to $+40^\circ\text{C}$

Wattage: 2000 W

Overall dimensions:
1550x805x820 mm

Weight approx.: 110 kg

Accessories

- ▣ 55-C0191/3 Upper rack for 150 mm cubes
- ▣ 55-C0191/5 Submersible circulator pump. 230 V, 50-60 Hz, 1 ph.

55-C0193/A

Heavy plastic curing tank 650 litres capacity

55-C0193/B

Heavy plastic curing tank 650 litres capacity complete with thermostatic digital heating system.
230 V, 50-60 Hz, 1 ph.

General description and specifications

Extremely robust and stable A.D. polyethylene construction, supplied complete with base rack. It can be fitted with the thermostat heating system (models 55-C0193/5 and 55-C0193/6), with the submersible circulator pump (model 55-C0191/5) and with the appropriate cover (model 55-C0193/A1). See accessories. Model 55-C0193/B is already fitted with thermostatic digital heating system 55-C0193/6.

Capacity: 650 litres

Inside dimensions: 1040x1040x605 mm

Outside dimensions:
1130x1130x760 mm

Weight approx.: 30 kg



Accessories

- ▣ 55-C0193/5 Thermostat analogic heating system. 230 V, 50-60 Hz, 1 ph.
- ▣ 55-C0193/6 Thermostat digital heating system. 230 V, 50-60 Hz, 1 ph.
- ▣ 55-C0191/5 Submersible circulator pump. 230 V, 50 Hz, 1 ph.
- ▣ 55-C0193/A1 Plastic cover for 55-C0193/A Curing tank



Detail of 55-C0193/6

55-C0193/5



55-C0191/5

55-C0193/A with 55-C0193/5,
55-C0191/5, and 55-C0193/A1