

Thermal Shock Testing

Standardised Cooling Tanks, suitable for determining the resistance to thermal shock in accordance to the UNI EN ISO 10545-9.

According to the standard, each sample must undergo 10 heating and cooling cycles. The sample must be heated in a thermostatically controlled drying oven and cooled in accordance with one of two methods, depending on the water absorption of the samples examined. Tiles with a low porosity (water absorption of less than 10%) are immersed in water (VR/60/A tank). Glazed tiles with water absorption of over 10% are indirectly cooled without immersion (VR/60/B tank).

Standardized tank, model VR/60/A.

Designed for cooling ceramic tiles by immersing them in water; suitable for sizes of up to 60x60 cm.

Entirely made of stainless steel.

The water supply is adjustable thanks to the provision of a flow-meter with a scale of 0 to 5 litres/min, (the standard mentions a flow rate of 4 litres/minute).

Water drainage outlet with pipe fitting.

Stainless steel bucket for samples, featuring 4 vibration-damping feet, adjustable height.

Overall dimensions: 895x38x93 cm.

Gross weight: 45 kg.

Part number: 01CI2810/5



Standardized tank, model VR/60/B.

Designed for the indirect cooling of ceramic tiles, without immersion; suitable for sizes of up to 50x50 cm.

Tank structure made of stainless steel.

Top aluminium plate with adjustable feet made of stainless steel, handles and raised edge for retaining the aluminium granules.

The water supply is adjustable thanks to the provision of a flowmeter with a scale of 0+5 litres/min. (the norm mentions a flow rate of 4 litres/minute).

Water drain-age outlet with pipe fitting.

4 vibration-damping feet, adjustable height.

Supplied complete with a 5 kg pack of aluminium granules of different diameters (from 0.3 to 0.6 mm).

Overall dimensions 84x67x26 cm.

Gross weight 25 kg.

Part number: 01CI2812/5



Spares:

5 kg pack of aluminium granules of different diameters (from 0.3 to 0.6 mm). 01CI2812/A