

## DATA SHEET

# Water Permeability Apparatus



Water impermeability apparatus 55-C0246/3

## General description

### Introduction

This apparatus is used to determine the depth of penetration of water under pressure in the concrete specimens. The test is performed clamping the specimen - cubic, cylindrical or prismatic of length of edge, or diameter not less than 150 mm - between two flanges with special circular gaskets. The water, under controlled pressure, is then applied to the surface of the concrete specimen. The penetration of water is measured, after the testing period, by breaking the specimen. The quantity of penetrated water, can also be measured through the graduated burettes fitted on top of the apparatus.

### Description

The apparatus consists of a robust steel frame with clamping system, incorporating the hydraulic circuit, valves, gauge to check the water pressure and measuring transparent burettes mounted on top of the apparatus. The clamping system can accept cube or prismatic specimens up to 200 mm side and cylinders up to 300 mm height.

Two versions available:

- **55-C0246/3** Three place model
- **55-C0246/6** Six place model

All versions are supplied complete with gaskets for 150 mm cube specimens.

The apparatus has to be fit with a suitable air compressor, max. working pressure 6 bar. See accessories.

## Main features

- New design that allows space-saving increased and functionality.
- Determination of the depth of penetration of water under pressure in the cube and prismatic concrete specimens up to 200 mm side and cylinders up to 300 mm height.
- Graduated burettes already fitted without any addition.

## Standards

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- EN 12390-8

## Specifications

### Physical specifications

#### Overall dimensions (wxdxh):

55-C0246/3, 1155x783x1515 mm

55-C0246/6, 1155x905x1864 mm

#### Weight approx.:

55-C0246/3, 129 kg

55-C0246/6, 189 kg



Water impermeability apparatus 55-C0246/6

## Products

### 55-C0246/3

Apparatus for testing hardened concrete permeability to water under pressure according EN 12390-8. Model for 3 specimens complete with waterpressure gauge and graduated burettes measuring quantity of permeated water. F

### 55-C0246/6

Apparatus for testing hardened concrete permeability to water under pressure according EN 12390-8. Model for 6 specimens complete with waterpressure gauge and graduated burettes measuring quantity of permeated water.

## Accessories and consumables

### 86-D2015

Laboratory air compressor. 8 BAR max constant pressure. 230V/50Hz/1Ph

### 55-C0246/2

Set of 3 gaskets for permeability test on 200 mm side/dia samples, for 55-C0246/x series

### 55-C0246/4

Set of 3 gaskets for permeability test on 150 mm side/dia samples, for 55-C0246/x series

### 55-C0246/5

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Accessory for permeability meter series 55-C0246/x for adapting one of the test chambers to samples with height 300/320 mm.

**55-C0246/7**

Accessory for permeability meter series 55-C0246/x for adapting one of the test chambers to test cylinder dia.100x200mm.

**55-C0246/8**

Set of 3 gaskets for permeability test on dia.100x200 mm cylinders, for 55-C0246/x series. The machine shall be fitted with 55-C0246/7