The field test for air and water permeability of concrete using the Figg technique

Product Information

Porosiscpe Plus™ measures the time it takes for air to flow into a known volume of a sealed, evacuated chamber in the concrete. While the vacuum reduces from -55 Kpa to -50 Kpa, a measure of air permeability is determined.

For water permeability, Porosiscpe Plus™ uses the same chamber filled with water, and measures the total time in seconds for a volume of 0.01 ml of water to escape. Surface porosity is determined in like manner using a specially designed surface chamber.

Applications

- Service life prediction
- Coating verification testing
- Determine susceptibility to chloride and carbonation penetration.

Features & Benefits

- Both air and water permeability are measured by the same instrument.
- Permeability both at the concrete surface as well as within the concrete mass can be determined.
- Porosity in sealants and surface mortars can be checked.
- The test is non-destructive (only a small plugged hole required) and can be completely carried out on site.
- Each test can be completed in only a few minutes and gives reliable reproducible results.
- The test enables meaningful concrete durability predictions to be made.
Porosiscopetm

C-P-6000 Porosiscopem
(does not include Surface Chamber)

C-P-6050 Porosiscopem Plus
(Includes Surface Chamber. Does not include
plugs)

Consummables:
C-P-6060 Pack of 25 Test Plugs

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight, complete in carrying case</td>
<td>12.0 lbs. (5.4kg)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>17 x 12 x 6 inches (43 x 30 x 15 cm)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Standard 9V Battery</td>
</tr>
<tr>
<td>Grinding Wheel Rpm</td>
<td>12000 max</td>
</tr>
</tbody>
</table>

Sales Numbers

C-P-6000 Porosiscopem
(does not include Surface Chamber)

C-P-6050 Porosiscopem Plus
(Includes Surface Chamber. Does not include plugs)

Consummables:
C-P-6060 Pack of 25 Test Plugs