

Product Name :

Rapid Chloride Permeability Tester

Product Code :

SLE/CE/40



Description :

Specifications:

- The pore structure in turn depends on other factors such as the mix design, degree of hydration, curing conditions, use of supplementary cementitious materials, and construction practices.
- The rapid chloride-ion permeability test (rcpt) is designed to assess the resistance of concrete to the penetration of chloride ions, an indicator of its permeability.
- Therefore, wherever there is a potential risk of chloride induced corrosion, the concrete should be evaluated for chloride permeability.
- Complete with tools kit.

Complete rapid chloride ion permeability tester includes the following items:

- RCPT test apparatus with 4 port (230~250 V AC power supply).
- Moisture trap.
- Temperature probe.
- 300mm vacuum desiccator.
- Vacuum pump with gauge.
- Plexiglass chambers – 4 pairs.

Rating of chloride permeability of concrete according to the rcpt test apparatus is as below:

- **Rating:** Typical concrete type permeability coulombs.
- **Negligible:** < 100 polymer-impregnated concrete, polymer concrete.
- **High:** >4000 high w-c ratio (> 0.6) conventional PC concrete.
- **Low:** 1000 to 2000 low W-C ratio (< 0.40) conventional PC concrete.
- **Very low:** 100 to 1000 latex-modified concrete, internally sealed concrete.
- **Moderate:** 2000 to 4000 moderate W-C ratio (0.40 to 0.50) conventional PC concrete.

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