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CONCRETE WATER IMPERMEABILITY TESTERS



STANDARDS

ASTM D5084

BS 1881-208

DIN EN 12390-8

ISO 7031

Concrete water impermeability is a crucial property that determines the durability and performance of concrete structures in environments exposed to moisture, water, or chemical ingress. Testing this property ensures that the concrete can withstand hydrostatic pressure and maintain its integrity over time. Qualitest offers a comprehensive range of Concrete Water Impermeability Testers under the QualiCWIT™ Series, designed to meet diverse requirements, from cost-effective manual models to advanced automatic systems.

Importance of Concrete Water Impermeability Testing

Concrete's resistance to water penetration directly affects its durability, making impermeability testing essential for applications in:

- **Dams and Reservoirs:** Ensures resistance to hydrostatic pressure and long-term durability.
- **Underground Structures:** Verifies impermeability in basements, tunnels, and subways.
- **Water Retention Structures:** Validates performance in tanks, swimming pools, and canals.
- **Marine Environments:** Confirms durability against saltwater penetration.

Standards for Concrete Water Impermeability Testing

Testing concrete for water impermeability is governed by various international standards to ensure consistent and reliable results. Some of the key standards include:

1. ISO 7031

This international standard specifies methods for determining the water permeability of concrete under pressure. It is widely adopted for its rigorous testing criteria.

2. ASTM D5084

This standard outlines procedures for measuring the permeability of saturated concrete. It is essential for projects requiring high water-tightness specifications.

3. DIN EN 12390-8

A European standard that defines testing methods for concrete water permeability under hydrostatic pressure, ensuring compliance for construction in critical infrastructures.

4. BS 1881-208

A British standard that sets guidelines for testing the impermeability of concrete, widely used for projects in the UK and Commonwealth countries.

Qualitest's QualiCWIT™ Series: Advanced Concrete Testing Technologies

Qualitest's QualiCWIT-Series Concrete Water Impermeability Testers offer unparalleled precision, reliability, and versatility. The series includes:

- **Simple and Cost-Effective Models:** Perfect for smaller projects or budget-conscious operations.
- **Semi-Automatic Systems:** Balance functionality and affordability for mid-sized applications.
- **Fully Automatic Systems:** Incorporate cutting-edge technology for enhanced accuracy, user-friendliness, and efficiency.

Key Features of QualiCWIT™ Series

- **Multi-Sample Testing Capability:** Test multiple concrete specimens simultaneously for higher throughput.
- **Advanced Pressure Control:** Precisely applies and maintains hydrostatic pressure as per standard requirements.

- **Durable Construction:** Built with robust materials to withstand rigorous testing environments.
- **User-Friendly Interfaces:** Easy-to-use controls with optional PC connectivity for data management.

Why Choose Qualitest for Concrete Water Impermeability Testing?

- **Comprehensive Product Range:** From manual to automatic testers, we offer solutions for every need.
- **Global Standards Compliance:** All models are designed to adhere to international testing standards like ISO, ASTM, DIN, and more.
- **Reliable Performance:** Our testers deliver accurate and consistent results, ensuring peace of mind for your testing needs.
- **Cost-Effective Solutions:** Competitive pricing without compromising on quality or features.

Discover the benefits of Qualitest's **Concrete Water Impermeability Testers** today. Our **QualiCWIT™ Series** ensures your concrete meets the highest standards of impermeability, delivering durability and reliability for all types of construction projects.

[Contact us now](#) for more information or to request a quote for the perfect solution to your impermeability testing requirements.



ADVANCED TESTING TECHNOLOGIES

USA | CANADA | UAE | GCC | EU | INDIA | APAC | AFRICA | LATIN AMERICA

Connect with us

Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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