

**Cement Australia**

# PRODUCT TESTING & SERVICES

**Cement Australia operates one of Australia's leading purpose built, construction materials testing facilities at Darra, south west of Brisbane's CBD.**

The primary focus of the laboratory is to support our manufacturing facilities and perform quality testing and certification of our cementitious products.

The laboratory holds NATA accreditation for a wide range of cement, concrete, supplementary cementitious and aggregate test procedures.

It also performs routine testing and certification for a number of external customers across Australia, New Zealand and PNG on a wide range of materials including cements, slag, fly ash, silica fume and gypsum.

The laboratory also offers a wide range of facilities and investigative services in the area of construction materials testing.

## These services include:

- ✓ Concrete mix design optimisation, mix performance
- ✓ Aggregate characterisation
- ✓ Analysis of hardened concrete and cores
- ✓ Concrete failure & performance investigations
- ✓ Packaged products performance
- ✓ Mortar and grout performance
- ✓ Flexural toughness of fibre reinforced concrete or shotcrete
- ✓ X-Ray Fluorescence Spectroscopy (XRF)
- ✓ Particle size distribution (psd)
- ✓ Durability, AAR – Mortar Bar, Chloride Permeability ASTM C1202, NT Build 492
- ✓ Manufactured pozzolan performance
- ✓ Variable temperature concrete performance

**If the service you require is not listed,  
contact our Product Testing and Services team**







### Compression testing

Concrete Cylinders, Concrete cores, Tailings, Grouts etc.

- ✓ Preparation and curing of test cylinders
- ✓ Auditing and improving sampling and casting techniques



### Flexural testing of fibre reinforced concrete by ASTM C1550

- ✓ Curing of round panels
- ✓ Casting of test panels in the laboratory from trial mix



### Chemical Analysis

Full chemical analysis for a wide range of raw materials and cementitious products



### Particle size distribution

Using Sieving and Laser diffraction methods



### Concrete trial mixing

Testing and optimising new mix designs

## Customer Reports

Customers can access their secure results folders through a dedicated reporting portal with their username and password via our website:

[www.cementaustralia.com.au/technical-services](http://www.cementaustralia.com.au/technical-services)

## Technical Support Services

Our highly experienced Product Performance and Technology (PP&T) team are available for technical support on mix design, test results analysis and product development.

## Safety Data Sheets

All Safety Data Sheets (SDS's) are maintained and uploaded and available on our website.



OHS  
ISO 45001  
SAI GLOBAL



Environment  
ISO 14001  
SAI GLOBAL



Quality  
ISO 9001  
SAI GLOBAL



WORLD RECOGNISED  
ACCREDITATION