

you can **RELY** on



www.cementaid.com

## SPECIFICATION FOR

# WATER-REDUCING AGENT (WRA) & GEL CONTROL ADMIXTURE

# PLASTET No. 2\*

### REQUIREMENT:

Reduction of water content in concrete without loss of workability.

Optimised cement hydration and control of harmful "gel" growth around cement particles, particularly during hot weather concreting.

Improved strength and hardness, reduced shrinkage, dusting and greatly improved durability and wear characteristics.

Inhibition of false set and slump loss in mild to hot climates.

Reduced shrinkage, with increased compressive and tensile strengths, improved density, durability, crack resistance, bond to steel, surface hardness, clean stripping, etc.

### PRODUCT TO USE:

## PLASTET No. 2 Water-Reducing Agent (WRA) & Gel Control Admixture

### HOW TO SPECIFY:

All concrete shall contain Cementaid **PLASTET No. 2** Water-reducing & Gel Control Agent, in strict accordance with manufacturers instructions. For optimum durability and tensile strength, cement content should be maintained at that required for a plain concrete mix design. If concrete is site-mixed, serial numbers of **PLASTET No. 2** containers shall be recorded.

### QUANTITIES:

325-650ml per 100kg of cement, depending on day temperature.



AUSTRALIAN OWNED  
EXPORTERS TO THE WORLD

INDUSTRIAL FLOOR SPECIFICATIONS • CONCRETE WATERPROOFING & CORROSION-PROOFING ADMIXTURES  
OIL & SOLVENT PROOFING • SURFACE TOUGHENING & DUSTPROOFING • ANTI-CORROSION IMPREGNATIONS  
RAPID HARDENING • RETARDING • GEL CONTROL AGENT • MORTAR AND DAMPCOURSE ADMIXTURES, etc.

### EFFECTS:

- Reduces water content by approximately 8 litres for each litre of Plastet used (typical water reduction; 12-15%).
- Minimised deleterious effects of warm weather on concrete mixing and placing (slump loss, shrinkage, high water requirements, etc.).
- Increased bond to steel (pull-out tests) by 20-40%, in bottom members, and 50-100% (upper bars in deep beams).
- 100% safe to use moderately (excessive quantities produce retarded set only).
- Reduces shrinkage by 20-40%. Reduced surface "dusting".
- Increased resistance to abrasion and improved surface-wear characteristics.
- Increases resistance to corrosion.
- Reduces segregation of aggregates.
- Due to greatly reduced laitance, gives a superior surface on stripping, and horizontal surfaces show increased abrasion resistance of 40-50%.
- Increase density of concrete.

### WHERE RECOMMENDED:

All concrete for all purposes.

### NOTE:

**PLASTET No. 2** is free from reducing sugars, triethanolamine and other deleterious materials used for the main purposes of economy and cement reduction.

**PLASTET No. 2** conforms with AS1478 and ASTM C494.

The information and recommendations herein are, as a result of experience and testing, accurate to the best of the seller's knowledge. However, as the proposed use and the circumstances surrounding such use are not known to the seller, it does not guarantee or warrant the product's suitability in any particular instance and shall not be liable for any loss or damage consequent upon any use whatsoever unless the seller has otherwise stipulated the product's suitability for a particular use in writing signed by a Director of the seller.

### TECHNICAL SERVICE OFFICES

#### ADELAIDE

Tel: (08) 8346 9711

Fax: (08) 8346 9977

CEMENTAID (SA & NT) Pty Ltd

ACN: 089 037 749

70 Chief Street

Brompton SA 5007

#### BRISBANE

Tel: (07) 3276 7388

Fax: (07) 3276 7399

CEMENTAID (QLD) Pty Ltd

ACN: 009 716 018

1/86 Boyland Avenue

Coopers Plains QLD 4108

#### MELBOURNE

Tel: (03) 9890 0487

Fax: (03) 9890 6223

CEMENTAID (VIC) Pty Ltd

ACN: 004 518 889

15 Clarice Road

Box Hill VIC 3128

#### PERTH

Tel: (08) 9470 5858

Fax: (08) 9470 5999

CEMENTAID (WA) Pty Ltd

ACN: 000 477 476

200 Star Street

Carlisle WA 6101

#### SYDNEY

Tel: (02) 9810 0725

Fax: (02) 9810 4164

CEMENTAID (NSW) Pty Ltd

ACN: 000 366 549

44 Alberto Street

Lilyfield NSW 2040