

# REOMASTER™

Steel Reinforcement

PLASTICOAT™ Ducting  
CODEMASTER™ Composite Hose  
REOMASTER™ Steel Reinforcement  
MINEMASTER™ Mine Ventilation  
PIPEMASTER™ PVC Pipe

**Plascorp Pty Ltd is one of Australia's leading privately owned Manufacturing and Distribution Companies.** Our product range comprises **Plasticoat™** - Industrial ducting, **Codemaster™** Composite hose, **Reomaster™** - Steel reinforcement, **Minemaster™** - Mine ventilation ducting and **Pipemaster™** - PVC pipes and fittings.

The Company's manufacturing history goes back over fifty years with the introduction of the Plasticoat range of industrial coatings and flexible ducting in the late fifties. Our Head Office and Manufacturing Centre in Chambers Road, Altona North, Victoria commenced operations in 1961 and has since grown to accommodate the ever evolving manufactured product range and now covers over three hectares.

In 2002, as our Australian network spread, we opened a second major Distribution Centre in Perth, WA. This is now located in Bassendean on an 8000 m<sup>2</sup> site and services an extensive customer base, on the West Coast. In 2010 we continued our company expansion into Brisbane's Northgate. In addition to our National customer base we have developed an important export market for a range of our products that are now sold throughout New Zealand, South East Asia, South Africa and the Middle East.

We are Associate members of many industry groups including The Australian Chamber of Manufacturers, The Association for Hose and Accessories Distribution (NAHAD). We are also certified to ISO 9001.

All our products are manufactured to the relevant Australian Standards and tested under strict quality control procedures. We hold numerous Standards Licences.

Being a privately owned Company we pride ourselves on our ability to supply solutions for customised product or service requests - no matter how difficult or how large or small such requests are. We have a dedicated and focused team at Plascorp that we believe gives us that all important point of difference.



ISO 9001

AS/NZS 4671

**PALGIO EAST & WEST (KARRATHA)**



IN 2010, FINBAR WAS SELECTED BY THE WA GOVERNMENT TO DEVELOP A LANDMARK RESIDENTIAL COMPLEX AS PART OF THE PILBARA CITIES' LONG-TERM INITIATIVE TO TURN KARRATHA INTO THE CITY OF THE NORTH, WITH A PROPOSED FUTURE POPULATION OF 50,000. JUST THREE YEARS LATER, PELAGO EAST WAS COMPLETED IN 2013 AND, ALONG WITH, THE ALREADY COMPLETED PELAGO WEST, FINBAR DELIVERED 310 COMPLETED RESIDENTIAL AND COMMERCIAL UNITS IN KARRATHA.

Hanssen Construction have been the preferred construction contractor for Finbar for many years now, and in turn, Plascorp™ are the sole supplier of reinforcing processed bar to Hanssen.

We take enormous pride in this partnership which is based on key elements - exceptional service, accuracy, problem solving, pricing, high levels of communication at all levels & going the extra mile.

**PROJECT NAME /**  
Palgio East & West Apartments Karratha  
**DEVELOPER /**  
Finbar Group  
**CONTRACTOR /**  
Hanssen Construction  
**PRODUCTS USED FROM PLASCORP™ /**  
Reinforcing Steel, Fabricated Pile Cages & Associated Accessories  
**VALUE OF THE TOTAL PROJECT /**  
\$137,000,000  
**TONNES USED /**  
2,200 tonnes



ADAGIO APARTMENTS (PERTH)



THE FIRST OF FOUR LANDMARK BUILDINGS WITHIN THE EAGERLY ANTICIPATED SYMPHONY CITY, ADAGIO IS THE APARTMENT COMPLEX THAT HAS SET THE TONE FOR WHAT IS DESTINED TO BECOME PERTH'S DEFINITIVE RIVERSIDE DEVELOPMENT.

With uninterrupted river views and resort style amenities, Adagio offers a rare lifestyle opportunity seldom found in Perth. Once again, Plascorp™ are very proud to have been involved in the construction of such a project, and able to smoothly supply and co-ordinate through the typical inner city project requirements such as transport traffic management restraints, and strict delivery times.

**PROJECT NAME /**  
Adagio  
**DEVELOPER /**  
Finbar Group  
**CONTRACTOR /**  
Hanssen Construction  
**PRODUCTS USED FROM PLASCORP™ /**  
Reinforcing Steel, Fabricated Pile Cages & Associated Accessories  
**VALUE OF THE TOTAL PROJECT /**  
\$183,000,000  
**TONNES USED /**  
1,200 tonnes



TECHNICAL AMMONIUM NITRATE PRODUCTION FACILITY (TAN BURRUP PROJECT - DAMPIER)



WORKING ALONGSIDE WBHO AND TWO OF THEIR SUB CONTRACTORS, PLASCORP™ HAS SUPPLIED REINFORCING STEEL FOR ALL SITE REQUIREMENTS, ARRANGED TRANSPORT FROM PERTH TO DAMPIER AND HAVE AN OPEN DIALOG WITH SITE SUPERVISORS AND ENGINEERS TO BEST COORDINATE REQUIREMENTS.

Plascorp™ was awarded this project following complications with encumbant. Allowing us the opportunity to demonstrate our exceptional service. An example of this is, receiving a telephone call on a Sunday morning, and having the steel on site, in Dampier the very next day replacing inaccurate steel previously supplied.

PROJECT NAME /  
TAN Burrup Project  
DEVELOPER /  
Yara Pilbara Nitrates Pty Ltd (YPNPL)  
CONTRACTOR /  
WBHO Construction  
PRODUCTS USED FROM PLASCORP™/  
Reinforcing Steel & Associated  
Accessories  
VALUE OF THE TOTAL PROJECT /  
\$113,000,000  
TONNES USED /  
645 tonnes at present



**EASTERN GOLDFIELDS REGIONAL PRISON REDEVELOPMENT PROJECT (KALGOORLIE)**



WORKING CLOSELY WITH KEY PERSONAL BOTH ON SITE IN KALGOORLIE AND OFFICES IN PERTH, PLASCORP™ WORKED WITH PINDAN TO OVERCOME SITE DELAYS IN THE BEGINNING, TO DELIVER OUR COMPONENT OF THE CONTRACT IN FULL AND ON TIME.

We managed the drop off areas as per site requirements, consisting of both communal hard lay down areas, and multiple drop zones for easy access to specific steel schedules for site placement.

Plascorp™ co-ordinated all logistics from Perth to Kalgoorlie, including the arrangement of a Franna crane to limit the utilisation of on-site resources.

**PROJECT NAME /**  
Eastern Goldfields Regional Prison Redevelopment Project (EGRP)

**DEVELOPER /**  
State Government of Western Australia

**CONTRACTOR /**  
Joint Venture between Pindan Contracting & John Holland

**PRODUCTS USED FROM PLASCORP™ /**  
Reinforcing Steel & Associated Accessories

**VALUE OF THE TOTAL PROJECT /**  
\$232,000,000

**TONNES USED /**  
350 tonnes



DARLINGTON PARKLANDS YARRABILBA



EUREKA LANDSCAPES AT ANY POINT IN TIME MANAGES MULTIPLE SITES AND DURING THE COURSE OF THE LAST 21/2 YEARS THE RELATIONSHIP HAS GROWN OFF THE BACK OF STRONG COMMUNICATION AND ON TIME DELIVERIES.

Yarrabilba is an extensive development, and to date, Plascorp™ has supplied a small component of this overall project. Eureka Landscapes appreciated the service, quality and delivery from Plascorp™ and we look forward to continuing to work alongside Eureka on many more projects in the future.

PROJECT NAME /  
Yarrabilba Parklands  
DEVELOPER /  
Lend Lease  
CONTRACTOR /  
Eureka Landscapes  
PRODUCTS USED FROM PLASCORP™/  
Reinforcing Bar and Mesh  
VALUE OF THE TOTAL PROJECT /  
\$10,000,000  
TONNES USED /  
75 tonnes



**FREW PARK**



FOLLOWING EPOCA'S APPOINTMENT TO THE CONTRACT PLASCORP™ WORKED HARD TO SEAMLESSLY DELIVER FINISHED GOODS FOR THE PROJECT ON TIME AND IN FULL.

Originally awarded to Scape Shapes, Plascorp™ worked tirelessly on this project. Following a change of contractor Plascorp™ quickly built a rapport with Epoca based on solid service, communication and on time deliveries.

**PROJECT NAME /**  
Frew Park  
**DEVELOPER /**  
Brisbane City Council  
**CONTRACTOR /**  
Epoca Constructions  
**PRODUCTS USED FROM PLASCORP™ /**  
Steel Bar & Mesh  
**VALUE OF THE TOTAL PROJECT /**  
\$12,000,000  
**TONNES USED /**  
220 tonnes





**REOMASTER™ INTRODUCTION**

PLASCORP™ IMPORTS A WIDE RANGE OF BUILDING PRODUCTS INCLUDING REINFORCING BAR AND MESH, AND UNLIKE MANY OTHER IMPORTERS WE CARRY LARGE STOCKS IN ALL OUR DISTRIBUTION CENTRES. OUR PRODUCTS COMPLY WITH RELEVANT AUSTRALIAN STANDARDS. REINFORCING BAR & MESH COMPLY WITH AS4671.

**DEFORMED BAR**

|     | STD UNIT | MASS PER MTR - KG/MTR | METERS PER TONNE |
|-----|----------|-----------------------|------------------|
| N10 | Tonne    | 0.632                 | 1620             |
| N12 | Tonne    | 0.911                 | 1023             |
| N16 | Tonne    | 1.619                 | 632              |
| N20 | Tonne    | 2.528                 | 404              |
| N24 | Tonne    | 3.637                 | 281              |
| N28 | Tonne    | 4.955                 | 207              |
| N32 | Tonne    | 6.471                 | 158              |
| N36 | Tonne    | 8.910                 |                  |

**PLAIN ROUND BAR**

|     | STD UNIT | CALCULATED MASS PER MTR - KG/MTR | METERS PER TONNE |
|-----|----------|----------------------------------|------------------|
| R10 | Tonne    | 0.632                            | 1620             |
| R12 | Tonne    | 0.911                            | 1023             |
| R16 | Tonne    | 1.619                            | 632              |
| R20 | Tonne    | 2.528                            | 404              |
| R24 | Tonne    | 3.637                            | 281              |
| R28 | Tonne    | 4.955                            | 207              |

**REINFORCING MESH TO AS/NZS4671:2001 / RIBBED SQUARE MESH 6.0 X 2.4 METRES**

|       | STD UNIT | LONGITUDINAL WIRES                  | CROSS WIRES     | MASS / KG |
|-------|----------|-------------------------------------|-----------------|-----------|
| SL52  | Sheet    | 10 x 4.77 @ 200<br>+ 4 x 4.00 @ 100 | 30 x 4.77 @ 200 | 21        |
| SL62  | Sheet    | 10 x 6.00 @ 200<br>+ 4 x 4.24 @ 100 | 30 x 6.00 @ 200 | 33        |
| SL72  | Sheet    | 10 x 6.75 @ 200<br>+ 4 x 4.77 @ 100 | 30 x 6.75 @ 200 | 41        |
| SL81  | Sheet    | 25 x 7.60 @ 100                     | 60 x 7.60 @ 100 | 105       |
| SL82  | Sheet    | 10 x 7.60 @ 200<br>+ 4 x 5.37 @ 100 | 30 x 7.60 @ 200 | 52        |
| SL92  | Sheet    | 10 x 8.60 @ 200<br>+ 4 x 6.00 @ 100 | 30 x 8.60 @ 200 | 66        |
| SL102 | Sheet    | 10 x 9.50 @ 200<br>+ 4 x 6.75 @ 100 | 30 x 9.50 @ 200 | 80        |

We are also able to manufacture made to order reinforcing mesh.



| SQUARE MESH 300 x 300 SPACING |          |                    |                 |           |
|-------------------------------|----------|--------------------|-----------------|-----------|
|                               | STD UNIT | LONGITUDINAL WIRES | CROSS WIRES     | MASS / KG |
| SL53                          | Sheet    | 6 x 5.00 @ 300     | 20 x 5.00 @ 300 | 14        |
| SL63                          | Sheet    | 6 x 6.00 @ 300     | 20 x 6.00 @ 300 | 21        |

| REINFORCING MESH TO AS/NZS4671:2001 / TRENCH MESH |          |                    |             |           |
|---|----------|--------------------|-------------|-----------|
|   | STD UNIT | LONGITUDINAL WIRES | CROSS WIRES | MASS / KG |
| L8TM200   | 6 Metre  | 3 x 7.60 @ 100     | 4.00 @ 300  | 6.8       |
| L8TM300   | 6 Metre  | 4 x 7.60 @ 100     | 4.00 @ 300  | 9.2       |
| L8TM400   | 6 Metre  | 5 x 7.60 @ 100     | 4.00 @ 300  | 11.6      |
| L8TM500   | 6 Metre  | 6 x 7.60 @ 100     | 4.00 @ 300  | 13.9      |
| L8TM600   | 6 Metre  | 3 x 7.60 @ 100     | 4.00 @ 300  | 15.9      |
| L8TM2400  | 6 Metre  | 25 x 7.60 @ 100    | 4.00 @ 300  | 72        |
| L11TM200  | 6 Metre  | 3 x 10.70 @ 100    | 4.77 @ 300  | 13.0      |
| L11TM300  | 6 Metre  | 4 x 10.70 @ 100    | 4.77 @ 300  | 17.7      |
| L11TM400  | 6 Metre  | 5 x 10.70 @ 100    | 4.77 @ 300  | 22.3      |
| L11TM500  | 6 Metre  | 6 x 10.70 @ 100    | 4.77 @ 300  | 26.8      |
| L11TM600  | 6 Metre  | 7 x 10.70 @ 100    | 4.77 @ 300  | 34        |
| L11TM2300   | 6 Metre  | 24 x 10.70 @ 100   | 4.77 @ 300  | 107.1     |
| L12TM200  | 6 Metre  | 3 X 11.90 @ 100    | 4.77 @ 300  | 16.3      |
| L12TM300  | 6 Metre  | 4 X 11.90 @ 100    | 4.77 @ 300  | 21.8      |
| L12TM400  | 6 Metre  | 5 X 11.90 @ 100    | 4.77 @ 300  | 27.3      |
| L12TM500  | 6 Metre  | 6 X 11.90 @ 100    | 4.77 @ 300  | 32.8      |
| L12TM600  | 6 Metre  | 7 X 11.90 @ 100    | 4.77 @ 300  | 38.1      |

| RIBBED RECTANGULAR MESH |                |                    |                 |           |
|-------------------------|----------------|--------------------|-----------------|-----------|
|                         | STD UNIT       | LONGITUDINAL WIRES | CROSS WIRES     | MASS / KG |
| RL718                   | 6 x 2.4m Sheet | 25 x 6.75 @ 100    | 30 x 7.60 @ 200 | 67        |
| RL818                   | 6 x 2.4m Sheet | 25 x 7.60 @ 100    | 30 x 7.60 @ 200 | 79        |
| RL918                   | 6 x 2.4m Sheet | 25 x 8.60 @ 100    | 30 x 7.60 @ 200 | 93        |
| RL1018                  | 6 x 2.4m Sheet | 25 x 9.50 @ 100    | 30 x 7.60 @ 200 | 109       |
| RL1118                  | 6 x 2.4m Sheet | 25 x 10.70 @ 100   | 30 x 7.60 @ 200 | 130       |
| RL1218                  | 6 x 2.4m Sheet | 25 x 11.90 @ 100   | 30 x 7.60 @ 200 | 157       |



STEEL PROCESSING



Plascorp™ has extensive processing facilities for re-enforcement bar. Offering outstanding response times, accuracy and quality we understand that all projects are different and offer the ability to cut, bend and shape from 8mm - 32mm bar using coil or straight bar.

Cracker bars, starter bars, ligs or other special orders are our forte. Our processed steel rates include scheduling, cutting, bending, tagging and bundling.



| BAR CHAIRS / STANDARD BAR CHAIR |           |         |         |                   |
|---------------------------------|-----------|---------|---------|-------------------|
|                                 | STD UNIT  | COVER A | COVER B | MASS PER BAG / KG |
| BC 25/40                        | Bag x 100 | 25      | 40      | 2.0               |
| BC 50/65                        | Bag x 100 | 50      | 65      | 4.0               |
| BC 75/90                        | Bag x 100 | 75      | 90      | 4.8               |
| BC 85/100                       | Bag x 100 | 85      | 100     | 5.1               |

| PANEL BAR CHAIR |           |         |         |                   |
|-----------------|-----------|---------|---------|-------------------|
|                 | STD UNIT  | COVER A | COVER B | MASS PER BAG / KG |
| BCP 50/60       | Bag x 100 | 50      | 60      | 2.1               |
| BCP 65/75       | Bag x 100 | 65      | 75      | 2.6               |

### TIEWIRE

Tiewire is ideal for steel fixers and form workers. It is a black, soft tensile wire used for tying reinforcing mesh and bar for the building industry. Tie wire is easily cut and easily manipulated. It suits most common belt reels.

Tiewire is available in 1.40mm and 1.57mm widths in coils of 1.42kg.



### BLACK BUILDERS FILM TO AS/NZS2870

Other sizes and colours available on request.

- 50m x 4m Wide Rolls 200-m (micron)
- 50m x 2m Wide Rolls 200-m (micron)




HOT ROLLED STEEL BARS FOR THE REINFORCEMENT OF CONCRETE AS/NZS4671:2001-500MPA  
 Below are approximate calculations. All available in 6, 9 or 12 metre lengths.

**HOT ROLLED STEEL BARS**

**PRODUCT SPECIFICATIONS:**  
 AS/NZS4671:2001, MS146:2000,  
 BS4449:1988

**PRODUCT RANGE:**  
 High tensile deformed bar  
 10,12,16,20,24,32,mm diameter

**STANDARD LENGTH:**  
 6 meters  
 Other lengths available on request

**MAXIMUM CARBON EQUIVALENT VALUE IS CALCULATED USING THE FOLLOWING FORMULA:**

$$C + \frac{Mn}{6} + \frac{Cr + Mo + V}{5} + \frac{Ni + Cu}{15}$$

where,

- C = % of Carbon content
- Mn = % of Manganese content
- Cr = % of Chromium content
- V = % of Vanadium content
- Mo = % of Molybdenum content
- Cu = % of Copper content
- Ni = % of Nickel content

**MECHANICAL PROPERTIES**

| GRADE | BAR SIZE<br>mm | YIELD STRENGTH<br>N/mm <sup>2</sup> | TENSILE STRENGTH<br>N/mm <sup>2</sup> | MINIMUM<br>ELONGATION % | BOND TEST<br>180 DEGREE    | REDEND TEST<br>45 DEGREE   |
|-------|----------------|-------------------------------------|---------------------------------------|-------------------------|----------------------------|----------------------------|
| 500   | All sizes      | 500                                 | Min. 5% Greater than Yield Strength   | 12                      | No Defect-Former 3D of Bar | No Defect-Former 5D of Bar |

**CHEMICAL COMPOSITIONS**

| ELEMENT                            | PERFORMED BARS<br>GRADE 500% MAX |
|------------------------------------|----------------------------------|
| Carbon                             | 0.3                              |
| Sulphur                            | 0.05                             |
| Phosphorous                        | 0.05                             |
| Maximum Carbon Equivalent Value, % | 0.51                             |

**FATIGUE TESTING**

| BAR SIZE<br>mm                 | STRESS RANGE<br>N/mm <sup>2</sup> | CYCLES OF STRESS |
|--------------------------------|-----------------------------------|------------------|
| Up to and including 16         | 200                               | Endure 5 x 10    |
| Over 16 up to and including 20 | 185                               |                  |
| Over 20 up to and including 24 | 170                               |                  |
| Over 24 up to and including 32 | 160                               |                  |
| Over 32 up to and including 40 | 150                               |                  |

**NOMINAL CROSS SECTIONAL AREA AND MASS**

| NOMINAL SIZES<br>mm | CROSS SECTIONAL<br>AREA mm <sup>2</sup> | MASS PER METER<br>RUN / KG | NOMINAL WEIGHT<br>PER BUNDLE | TOLERANCE ON MASS<br>PER METER RUN (%) M.S. |
|---------------------|---|----------------------------|------------------------------|---|
| 10                  | 78.5                                    | 0.616                      | 1.020                        | + 6.5 to -6.5                               |
| 12                  | 113.1                                   | 0.888                      | 1.023                        | + 4.5 to -4.5                               |
| 16                  | 201.1                                   | 1.579                      | 1.023                        | + 4.5 to -4.5                               |
| 20                  | 314.2                                   | 2.466                      | 1.006                        | + 4.5 to -4.5                               |
| 24                  | 490.9                                   | 3.854                      | 1.063                        | + 4.5 to -4.5                               |
| 32                  | 804.2                                   | 6.313                      | 1.061                        | + 4.5 to -4.5                               |



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