



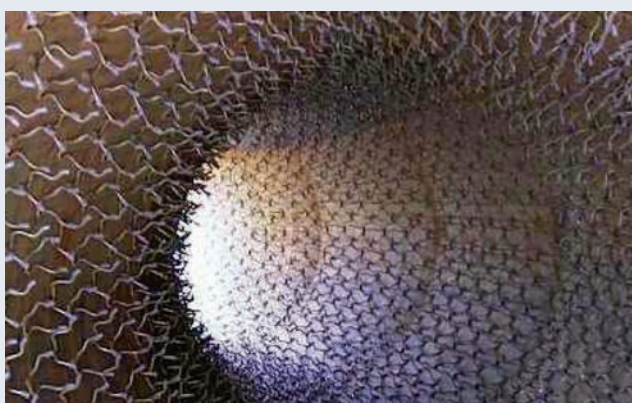
Causeway Steel Products Limited
Refractory Anchorage and Armour Systems

Causeway for over 50 years has Designed, Manufactured, Supplied, Inspected and Installed Refractory Anchorage and Armour Systems. Specialising in the Petroleum and Petrochemical Industry and manufacturing in accordance with all major refinery specifications. Causeway is able to

supply refractory lining anchorage systems for anything from individual valves and pipes to cyclones and entire FCCU units.

For more information of our scope of work or our products, please see reverse.

TYPICAL INSTALLATION OF WIRE FORMED ANCHORS INTO A REFINERY FLUE GAS LINE



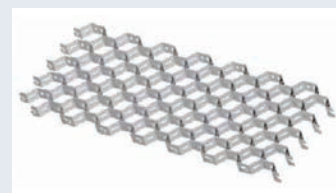
8mm Ø type 304 S/S Wire Formed Anchor manufactured on a CNC wire forming machine.



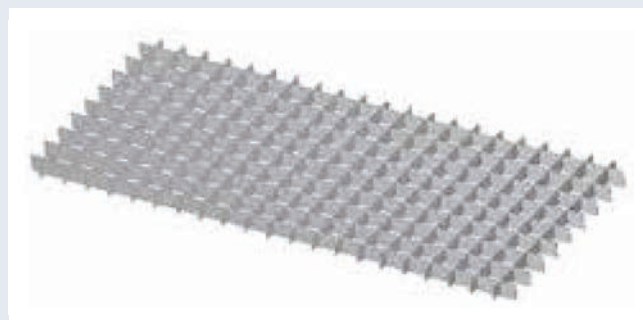
HEXMETAL MANUFACTURED AND FABRICATED IN HOUSE BEING INSTALLED INTO A SET OF REFINERY CYCLONE HOPPERS



19mm Deep Standard Form Bonding Hole Hexmetal. Type H01US 50AFx19x2.



HIGH ALLOY GRID FOR USE AS HEAT AND ACOUSTIC SHIELDING ON OFFSHORE OIL/GAS PLATFORM FLARE DECK



30mm Deep Stabil Grating in material type Alloy 800H. Bars pitched at 34mm square centres.

AFTERMARKET

REFRACTORY ARMOUR SYSTEMS:

- HEXMETAL 15-50mm DEEP (50 & 75AF)
- FLEXMETAL 15-30mm DEEP
- "S" ANCHORS 15-250mm DEEP (MINI & STANDARD)
- CURL ANCHORS 19 & 25mm DEEP
- HEXCELLS 15-100mm DEEP
- HALF HEXCELLS 15-100mm DEEP
- FIXED & ADJUSTABLE CORNER TABS
- FIXED & ADJUSTABLE EDGE TABS.

REFRACTORY ANCHORS/STUDS:

- WIRE FORMED 3-10mmØ (COMPLETE RANGE)
- PLATE FORMED 2-10mm THK (COMPLETE RANGE)
- ROD FORMED 10-20mmØ (COMPLETE RANGE).

STAINLESS STEEL GRIDS:

- FLARE TOWER, HEAT AND ACOUSTIC SHIELDING
- ARCHITECTURAL OPEN GRID FLOORING
- REACTOR GRIDS.

SUBCONTRACT PRODUCTION:

- 3D CNC WIRE FORMING (3-10mmØ)
- CNC MACHINING (TURNING)
- CNC ABRASIVE WATER CUTTING (Bed Size 3m x 1.5m & up to 20cm's cut thickness)
- PRESSWORK (UP TO 120 TONNE CAPACITY)
- GENERAL FABRICATION (CUTTING, FORMING, ROLLING & WELDING).

STANDARD SERVICES

MECHANICAL:

- REFRACTORY ARMOUR AND ANCHOR INSTALLATION (Primarily Refinery FCCU and Associated Plant, maintenance and new)
- CONTRACT SUPERVISION.

INSPECTION:

- REFRACTORY INSPECTION
- QA/QC CONTROL OF REFRACTORY PROJECTS (Primarily Refinery FCCU and Associated Plant, maintenance and new).

LABORATORY:

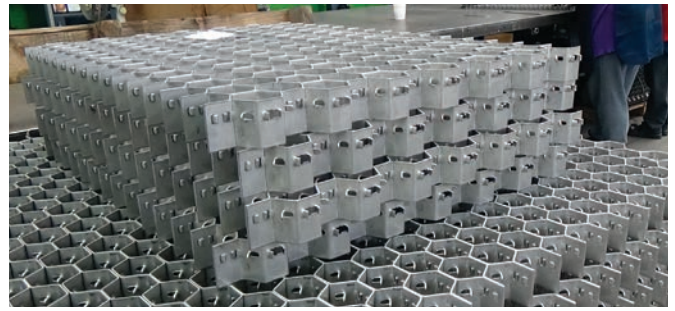
- REFRACTORY TESTING TO ASTM SPECIFICATIONS.

DRAWING AND DESIGN:

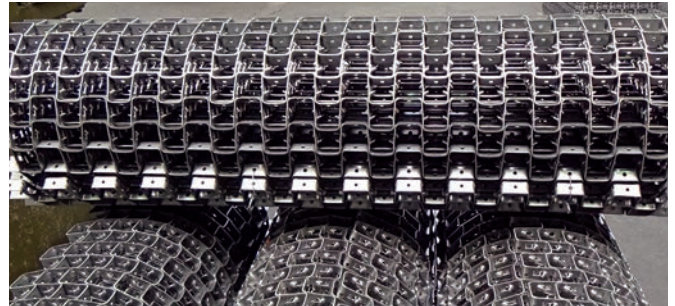
- ENGINEERING AND DETAIL DRAWING OF REFRACTORY ANCHORAGE/ARMOUR SYSTEMS.

GENERAL NOTES

- Products for Refractory Armour and Anchor Systems together with Grids are manufactured in a wide range of Stainless and High Nickel Alloy steels.
- Product Data Sheets available as hard copy or in electronic format.



Hexmetal



Flexmetal

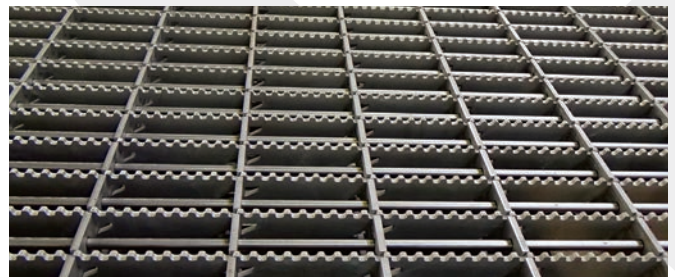


S-Anchor



Corner Tab

Steer Horn Anchors



Heavy Duty Flooring in Special Alloys

For additional information
feel free to contact us or visit:

www.dawcul.com

Dawcul Head Office
Number 8 Beech Court, Wokingham Road
Hurst, Reading, Berkshire RG10 0RQ
United Kingdom

T: +44 (0)118 932 0520
F: + 44 (0)118 924 1919
E: sales@dawcul.co.uk
W: www.dawcul.com