

Anda-Crib

Concrete Crib Retaining Wall



Modular Pre-cast Concrete System

ANDA-CRIB is a modular pre-cast concrete retaining wall system. It has been designed to cater for the most onerous loading conditions demanded of structures in highway, industrial and commercial sectors whilst maintaining an attractive appearance within either the natural or developed environment.

The ingenious range of concrete components are factory cast in steel moulds, thus ensuring a high level of dimensional accuracy and an excellent finish.

ANDA-CRIB's unique design, incorporating generous header to header bearing surfaces, ensures that all primary loads are remote from the exposed face. The design also allows for the various header lengths to be mixed within the same structure for maximum economy whilst maintaining a consistent visual appearance.

ANDA-CRIB header units can be linked into double or triple skin walls, whilst internal and external corners, as well as curves, are easily accommodated to complete the total design flexibility of the ANDA-CRIB system.

A completed ANDA-CRIB wall provides a substantial, maintenance free structure with a design life in excess of 120 years and it's design meets Highway Agency requirements.

Composition & Manufacture

Every ANDA-CRIB component is manufactured to the highest standards and specification in controlled factory conditions.

ANDA-CRIB components are steel reinforced and fully comply with the requirements of BS 8110.

The concrete has a design strength of 50 N/mm² and is manufactured from the highest quality materials, stringently tested to comply with the relevant British Standard.

The finished products conform with Class 2 Sulphate Resistance and 'very severe' salt attack conditions as required by both BS 8110 and BS 5400.



Engineering for the Environment

ANDA-CRIB can be landscaped with a variety of plant species to further enhance the environmental compatibility. The careful choice of exposed fill material and the specification of one of the wide selection of component colours available, add architectural presentation and eliminate the need for any aesthetic facade.

ANDA-CRIB can be readily dismantled and re-used to cater for changing circumstances such as road widening schemes, extensions to retail units etc.

Applications

The structural flexibility of the ANDA-CRIB system, the wide choice of arrangements create design opportunities for a broad variety of retaining wall applications.

- Road and Railway embankments and cuttings
- Bridge and underpass wing walls and approach ramps
- Sewerage / Water Treatment Plant Developments
- Local authority developments, schools, public service buildings etc.
- Airport development and improvements
- Retail Parks
- Housing Developers
- Service Stations
- Car Parks
- Leisure Developments

ANDA-CRIB's design flexibility assists in maximising site development to overcome complications created by nature or man made obstacles and on undulating sites where cut and fill operations are required to use the site to its full potential.



The Complete Package

Phi Group is the largest retaining wall specialist in the UK. Manufacturing, supplying and building timber crib retaining walls, concrete crib retaining walls, soil nailing, soil panels and modular block reinforced earth systems.

Based in Cheltenham with regional offices in Harrogate and Dunfermline the company is at the forefront of retaining structure technology balancing engineering demands with environmental consideration.

From concept to construction, Phi Group offers a complete design, supply and construction service undertaken by our in house chartered engineers, and backed up by full indemnity insurance.

Phi Group's own directly employed experienced construction teams, operate nationwide completing the total design, supply and build package, thus affording, optimum peace of mind and minimum risk, to client and contractor alike.



Link-Up
Supplier Number: 20441

Phi Group has full Link-up accreditation, enabling the company to provide engineering solutions to the Railway sector.



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Phi Group
Retaining Structures

**GEOTECH & COASTAL
Engineering**

Tel: 087-6281871
Email: info@geo-coastal.ie
Website: www.geo-coastal.ie