



Concrete Grinding Limited are specialists in the enhancement of floor flatness, particularly in narrow aisles and have developed the Laser Grinder®, the Worlds most advanced laser-guided grinding system. The Laser Grinder® enables aisles on new and existing floors to be upgraded to the flatness standards required to operate VNA forklift trucks safely and at their optimum efficiency. Used in new and operational warehouses it is clean, quick and very effective, while offering little disruption to the ongoing warehouse activities.



CG Flooring Systems Limited are specialists in the repair and upgrading of warehouse and industrial floor slabs. Their practical experience enables them to give sound professional advice and offer cost effective repair options to flooring problems, such as joint failure and surface delamination/failure. Where floor surface renewal is recommended, they can offer an environmentally friendly, hard-wearing, pump-applied cementitious floor topping – Fastfloor-IT, which enables a floor to be returned to use very quickly; as well as a range of basic or specialist epoxy coatings and toppings.



As Worldwide leaders in floor flatness compliance testing and on-site monitoring, Face Middle East FZC offer very rapid, accurate and independent results for Defined Movement (narrow aisle) and Free Movement (open area) surveys to British (TR34), German (DIN), American (Fmin) and other standards. They will also ensure that floor flatness is correctly specified, will ensure that the flooring contractor has the required expertise to meet the required specification and will check the finished floor for specification compliance.



Concrete Flooring Solutions...

Your **Quality**
Flooring Partner...

www.cogrimiddleeast.com



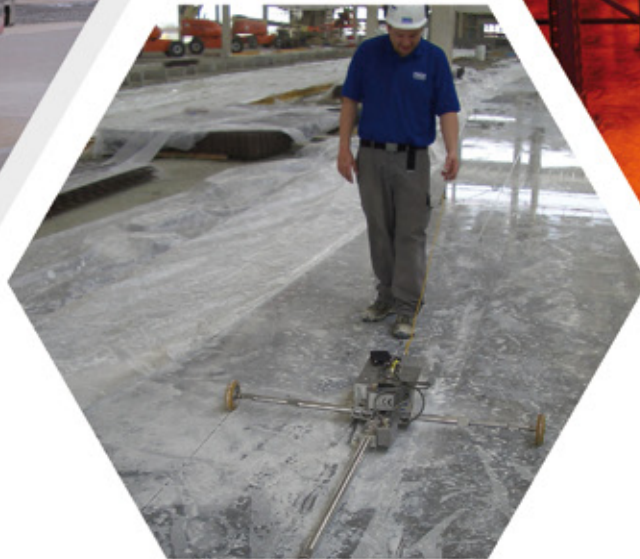
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Specialists in **Concrete** Flooring
speed > precision > quality





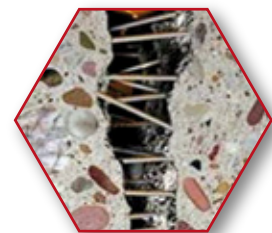
>> The **CoGri** 'Large Pour' Flooring Solutions



LP-SOG (Large Pour Slab on Grade)

Where reasonable soil exists, a nominally reinforced S.O.G provides the most cost effective concrete flooring solution. To minimise risk of cracking, drying shrinkage is controlled by carefully designed layout and installation of induced and formed joints. Secondary reinforcement is provided by light steel fabric or 20 to 30 Kg/m of steel fibres.

Using the CoGri S-240 Laser Screed, up to 2,000 m² of high quality concrete flooring can be placed and power trowelled to a durable burnished finish each day. With the CoGri emphasis on high standards of quality control, large pour floors can be constructed to tolerances of TR-34 FM2 Special and Abrasion Resistance of BS 8204 AR Special – without the need for liquid hardeners or dry shakes toppings.



JF-SOG (Joint Free Slab on Grade)

The Joint Free S.O.G is our premium flooring solution for clients who want maximum durability with the minimum number of joints for lower long term maintenance costs. Using 35 to 45Kg/m³ of steel fibres, the width and distribution of shrinkage cracks can be controlled to eliminate saw cuts thereby providing joint free floor areas of up to 2,000 m².

With the CoGri Joint Free S.O.G you can reduce the risk of defects such as curling and loss of load transfer at joints – perfect for floors with very heavy loads or requiring very high tolerances. To suppress fibres at the surface a dry shake topping is recommended with application by automated topping spreader. A truly functional and low maintenance flooring solution!



SR-SOP (Steel Fiber Reinforced Slab on Piles)

When you have poor soil but want the benefits of a Laser Screed floor, a Steel Fibre Reinforced S.O.P is the solution for you. Using heavy dosages of high tensile strength (1,475 N/mm²) steel fibres made in Europe and a pile grid from 3.0 x 3.0 to 5.0 x 5.0m, no reinforcement bars are required.

The design is based on full scale testing and the solution has been successfully utilised globally since the early 1990's. CoGri can provide the Client 'Peace of Mind' with a total design and build solution incorporating independent P.E Endorsement backed up by a substantial design indemnity insurance policy. Choose the CoGri S.O.P for a safe and modern Fastrack flooring solution for weak soil.

>> The **CoGri** 'Superflat' Flooring Solutions



SF-LG (Superflat Laser Grinding)

Converting an existing warehouse to narrow aisle or need to upgrade a new floor that doesn't meet specification? Laser Grinding it right! first time! The patented Laser Grinder® is a proven solution and guaranteed to deliver a specification compliant floor. Grinding is a one time investment unlike overlays and toppings. Floors upgraded by Laser Grinding are not subject to cosmetic damage, delamination, or blisters. Only one aisle is required at a time and upon completion of grinding the floor is ready for immediate service. The Laser Grinder® can provide economical wheel track or whole aisle width solutions for maximum flexibility.

When considering floor grinding, beware of the consequences of accepting imitations. CoGri Group pioneered VNA floor grinding technology and have been grinding floors since the early 1990's.



SF-FT (Superflat Fast-Track Cast-Grind)

Tight program, big floor, very high tolerance? Consider our unique combination of high output Laser Screed floor construction and Laser Grinding. No other flooring contractor can offer this service.

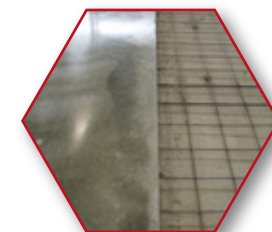
To construct floors to Very High Tolerances takes precious time. The CoGri Superflat Fast track cast-grind solution takes the flooring works off the critical path. As soon as the roof and walls are in we construct 1,500m² of FM2 ground supported floor per day making short work of big floor areas. The overhead services and racking can be installed while the aisles are being ground to tolerance with our patented system. Our cast-grind solution can shave weeks off the building program.



SF-LS (Superflat Long Strip)

Long Strip is the conventional methodology for constructing TR34 Superflat or ASTM E1155 Fmin 100 direct finish concrete floors for Very Narrow Aisle (VNA) warehouse applications. Without substantial remedial work no other construction method can be used to achieve the precise tolerances of longstrip. When you want the highest quality floor for defined traffic floors choose CoGri longstrip – a proven solution with no risk!

>> The **CoGri** 'Special' Flooring Solutions



TP-FS (Topping Slab Floor System)

When design and programme do not allow construction of the structural slab to tolerance or when extensive upgrading is required our topping slab is the solution. Constructed with full mechanical bond or unbonded; starting at 75mm thick these slabs are finished to tolerance for Free Movement or VNA applications. Check our reference to see what global companies are using CoGri Topping Slabs.



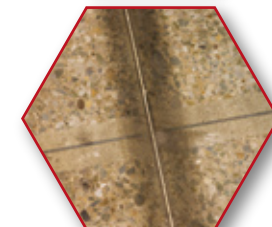
PS-FS (Pump Screed Floor System)

The ideal solution for time critical upgrading of workshop, factory and general warehouse floors. The finished screed is durable, tough and abrasion resistant. Placed at a minimum thickness of 7mm; up to 1,000m² of floor can be resurfaced per day. The rapid setting structural screed (30N/mm²) is ready for traffic in less than 24 hours. The CoGri screed system can be given a clear finish or sealed with epoxy in a variety of colors. When a colored sealer is selected the screed can be pigmented to closely match the coating which helps camouflage wear and tear. Pigmented screeds can also be finished with a clear sealer as an architectural solution.



CS-FS (Cold Store Floor System)

Constructing a high quality cold store floor for operating temperatures down to -30°C is highly specialised work. Using the experience and technical expertise of the CoGri Group, CoGri can provide a total cold store flooring solution including: design, specification, planning, construction and testing.



Pre-Construction planning is critical and detailed discussions between the Client, Architect and CoGri are required from an early stage. Special attention should be given to :- structural support, insulation type and installation, wearing slab detailing and joint sealant requirements. The wearing slab can be constructed to a high tolerance using the CoGri 'Copperhead' with high flotation tyres to prevent damage to the insulation.

Wire Guidance Wire alignment, constant depth, movement detailing and conductor protection are all critical to a safe and durable system. A range of wire guidance installation services are available for VNA trucks as well as AGV systems.

Joint Repairs Based on many years of practical experience, CoGri have built up and developed a number of proven standard floor repair details and procedures and as a result are able to offer Clients sound professional advice and cost effective repair solutions for many types of flooring problem.