

## ***Are your sites ready for another long, wet winter?***

We have all witnessed the impact of longer wetter winters over the last few years. In these changing times keeping construction sites operational through these wet months has become critically important to the commercial success of any project. This is just one reason why I am delighted to update you on the advantages of our **RoadCem** product.

RoadCem is an established and industry proven soil stabilisation solution; comprising an inert blend of Zeolites and earth metals applied as an additive to cement powder used for both temporary and permanent soil stabilisation applications. RoadCem can be used with any soil type, producing a highly durable, stiffened layer which is completely impermeable to water.

No additional stone wearing course or surface armouring is required to guarantee project lifetime durability for applications such as site compounds, temporary haul roads, access tracks and working platforms.

RoadCem is a single layer solution and for temporary works applications it is 100% recyclable offering the lowest CO<sub>2</sub> impact of any soil stabilisation system on the market. For environmentally sensitive sites the RoadCem stabilised soils can be returned to nature after use.



Silty plastic clays with high water table at Shenfield Network Rail before and after RoadCem stabilisation

Once applied RoadCem enables a vastly more efficient consumption of the calcium within the cement, thereby creating a dense crystalline matrix within the stabilised materials. This unique characteristic enhances the flexural response of the RoadCem layer making it stronger and stiffer than conventional cement stabilised materials, but without becoming brittle. In addition to this the RoadCem layer is highly water resistant and can therefore be installed on sites with high ground water levels or those situated on flood plains. RoadCem offers a truly year-round solution.

For permanent applications RoadCem can be used to create CBGM materials or as part of a capping / sub-base rationalisation under DMRB IAN73-06 (2009), it can provide a Class 2 foundation. Asphalt can be laid directly onto the cured RoadCem layer using a bituminous tack coat interface. Often RoadCem can help to reduce the thickness of the bituminous layers by as much as 50%. Other permanent applications within the infrastructure sector include projects such as airports, railways, distribution centres, harbours and ports.

These unique characteristics of RoadCem perhaps explain why it has been the stabilisation solution for **Balfour Beatty, Costain, Mott MacDonald Bentley, MWH, VINCI Construction UK** and many others.

**Shell Petroleum Drilling Platform in Northern Canada, with silty clay soils.  
Overnight lows of -40 Celsius and -30 Celsius during the day.**



Onsite water supply



Icicles on exterior exposed steel



High productivity blending with hot water



Grade back to desired profiles



- Maintenance free single layer - no surface stone or armouring required
- Project lifetime guarantee - with third party design performance warranty
- Ultra-sustainable - the lowest CO<sub>2</sub> impact of any soil stabilisation system
- Waterproof - ideal for use with low CBR's, saturated soils and flood plains
- High load carrying capacity for working platforms and piling mats
- Lower cost solution than traditional stone, grid and top-up methods