

# CASE HISTORIES

## A record floor show



*Each night a minimum of 1,300 linear m of concrete is cut to a depth of 65 mm*

*An ongoing floor sawing contract involves cutting around 250,000 linear m of concrete to a depth of 65 mm. The work, which can only take place at night, has to be achieved within 12 months, so correct choice of sawblade at the start was crucial.*

One of the largest floor sawing contracts ever to be undertaken in Scotland is currently taking place at the Eastgate Centre multi-story car park in Inverness. The work involves the removal of the top 65 mm of the concrete floor in preparation for a new layer of structural concrete to be applied. The floor saw is being used to make 65 mm deep grooves in the surface at 60 mm intervals, thus enabling the concrete to be more easily broken out.

As the car park is fully operational during the day, all work has to be carried out at night when it is closed. The 12 month contract involves cutting 250,000 linear m of concrete, with a minimum of 1300 m of cutting to be achieved during each night shift.

Main contractor, Volker Laser Ltd appointed Corecut Ltd as the specialist diamond drilling and sawing contractor. Prior to commencing work, Corecut carried out trials to find the optimum diamond sawblade specification that would complete the task most efficiently. In the event, Corecut chose a combination of the new Vortex and Titan-X diamond blades from Norton Nimbus, as these gave the best performance in terms of both speed and life, thus enabling the company to achieve the desired output at the most economical and cost effective rate. The 600 mm diameter blades are mounted on a 66 hp turbo diesel floorsaw.

Finlay Crocker, Managing Director of Corecut commented, "The tight schedule and sheer size of the job meant it was essential to hit the ground running to ensure we obtained the right balance between production output and cost as quickly as possible. The Norton Nimbus blades proved to be the best solution, enabling us to be on course to complete the contract efficiently and on time."

The sawblades themselves are part of the Norton Nimbus premium diamond range, for use on concrete containing the toughest aggregates, as was the case here. The sawblade being used for the majority of the work is the Titan TX40, which is achieving a life of over 2,000 linear m for a 65 mm depth of cut.

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