

Snow Making Shed, Nevis Range Ski Resort

Fort William, Scotland

Nevis Grange Mountain Resort is located close to Ben Nevis in the Highlands. The Ski resort is the highest in Scotland. Due to lack of snow in the recent seasons, the resort has invested in 7 Snow Making machines. These machines will be stored in a New Shed located on the mountainside. Accesibility to the remote site was restricted, so a Helicopter was used to deliver material to the mountainside. This included the Concrete Mix which contained Fibre Reinforced Concrete.



Project owner
**Nevis Grange Mountain
Resort**

Product
Durus EasyFinish

Contractor
BHC Contractors

Ready Mix Supplier
Leiths Scotland Ltd

Volume
50m³

Project highlights

- Due to the remote location of the shed. All material had to be delivered by Helicopter.
- Rather than deliver the steel mesh needed to reinforcement the shed base. The client decided to use a Concrete Mix premixed with Fibre Reinforcement.
- This significantly helped to reduced build cost and increase speed of construction.
- ADFIL liaised with the Installing Contractor and Readymix Supplier to ensure the proposed Macro Fibre solution was accepted and fit for purpose.
- 50m³ of C28/35 mix was supplied in 48 hours.





The helicopter delivering the Fibre Mix via Bucket connected to a linch. The Fibre Mix is positioned in place and poured. The Fibre Mix contained 3kg/m³ of macro synthetic fibre Durus EasyFinish.

Benefits of Solution

Replacing the conventional steel mesh reinforcement with DURUS EasyFinish Synthetic Macro Fibre has resulted in reduced construction time and easier installation along with a significant cost saving compared to the original specification.

Any risk of reduced service life due to the corrosion of conventional steel mesh reinforcement in this aggressive environment has been removed.

The significant Health & Safety hazards associated with steel mesh fixing have been eliminated from the construction process.

The Synthetic Macro Fibre reinforcement is distributed evenly throughout 100% of the volume of the concrete, so it can not be placed incorrectly and jeopardise structural performance.



Nevis Grange is the highest Ski Resort in Scotland The Shed used to house the Snow Machines is located on the mountainside and accessibility is restricted.

Product used



Durus EasyFinish

Macro Synthetic Fibres