



Cullercoats Beach Steps Tynemouth

Client:

North Tyneside Council

Specialist Contractor:

St Astier Specialist Contractors

Products Used:

Sika Adhesives, Ronacrete Nosings

Contact:

NCC Resin Flooring

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Case Study

Over time, the public access steps down to Cullercoats Beach in Tynemouth had deteriorated due to wear and their marine exposure, and this was giving North Tyneside Council concerns for public safety. Therefore St Astier Specialist Contractors were appointed to undertake repairs with an overall refurbishment and upgrading of the steps. Together with their specialist materials supplier NCC, the engineers from St Astier developed the ideal repair and upgrading system as follows:

Firstly, the concrete steps were thoroughly cleaned by water-jetting and any deteriorated or damaged concrete areas were broken out mechanically. These areas of the step risers and treads were then repaired to their original line and profile, with a high strength, fast-setting Sikadur epoxy repair mortar.

Finally, to improve safety and enhance slip resistance, special preformed, non-slip nosings from Ronacrete, were mechanically fixed and sealed onto the front of each step. These high visibility, bright yellow profiles, were mechanically fixed, as well as being bonded and sealed in position to prevent any lateral movement or future water underflow. This sealing was achieved using a Sikaflex waterproof adhesive sealant, based on polyurethane (PU) with permanent elasticity and recovery to help accommodate traffic and thermal movement.

