

# Case Study

## Protection of pipeline joints from backfilling and land movement

Project: South-North Pipeline (Northern Ireland)  
Contractor: Lagan Denys JV  
Specifier: Bord Gais Eireann  
Product: PROTECTAMESH ROCKSHIELD BRS 15

### PROJECT

Construction of the 156km 18inch dia. South-North pipeline commenced in March 2006 and was completed in October 2006. The new pipeline runs from Gormanston in Co. Meath to Ballyclare in Co. Antrim, where it links in with the North-West pipeline, which runs from Carrickfergus to Coolkeeragh power station. The northern pipeline contract runs from Newry to Ballyabanagh (Approx 75km).

### SOLUTION

The northern pipeline was a high grade steel pipe, and the PROTECTAMESH ROCKSHIELD was used to protect the pipeline joints from damage from backfill material and land movement. PROTECTAMESH ROCKSHIELD was wrapped around the pipe over the joints, and the mesh heat bonded using gas torches.

The PROTECTAMESH ROCKSHIELD mesh acted as a cushioning barrier protecting the joints from damage caused by rocky backfill and land movement.

Product: BRS 15  
Roll size: 1.65m x 20m  
Material: Blown HDPE  
Mesh Weight: 950g/m<sup>2</sup>



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