



HISTORICAL SANDSTONE DOCK



CASE STUDY

Project Name:	Barrow Dock Museum
Location:	Barrow-in-Furness, England
Owner:	Barrow Borough Council
Vandex Applicator:	J. J. Metcalfe
Construction Period:	2011

HISTORICAL SANDSTONE DOCK

The Barrow Dock museum in the Lake District, England

Project

The Barrow Dock museum is situated in the Lake District, the popular National Park in North West England. Well known for its lakes and mountains, the Lake District also has the dampest climate in England. The museum is located in a building that was constructed over an original Victorian dry dock. The original sandstone block construction of the dry dock has remained exposed as an architectural feature. Over the years, seepage through the mortar joints had resulted in growth of mould and vegetation. A waterproofing specialist was called in to provide a solution to the problem.

Solution

Since the client – Barrow Borough Council – insisted the sandstone block facade of the original dry dock be maintained, the waterproofing specialist proposed reducing the passage of water through the masonry by raking out the mortar joints and replacing the mortar with waterproofing mortars from Vandex.

Technical Information

Products used: VANDEX PLUG
VANDEX UNI MORTAR 1
VANDEX RAPID M

Area treated: 1'200 m dry dock joints

The sandstone surface was high-pressure water cleaned and the joints were raked out to a depth of 40 mm. In areas where seepage was particularly severe, VANDEX PLUG was trowelled into the open joints to a depth of 10 – 20 mm. All prepared joints (including those pre-sealed with VANDEX PLUG) were then gun-pointed with VANDEX UNI MORTAR 1.

Why Vandex ?

Vandex's proven track record of successfully accomplished waterproofing jobs of a complex nature convinced the owner to specify their products.



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