



SIKA AT WORK

FLOOD DEFENCE WALL, NORTH PORTSEA ISLAND PORTSMOUTH, UK

SEALING & BONDING: Sikaflex®-423 PowerCure

BUILDING TRUST



JOINT SEALING SOLUTIONS FOR FLOOD DEFENCE WALL

PROJECT DESCRIPTION

Climate change has had a huge impact on rising sea levels, leading to the first 'large-scale' use of 'Ecoformliners' within the UK, along the North Portsea Harbour. These textured, concrete sea walls provide a coastal defence against flooding while also aiming to improve marine habitats by encouraging the growth of vegetation and promote biodiversity. Ecoformliners have the potential to become a blueprint for the future of environmentally friendly sea defences.

Project name: Portsmouth Flood Defences
Location: North Portsea Harbour, Portsmouth, UK
Construction year: 2015 – 2025

PROJECT REQUIREMENTS

Nature dictated the working time on this project, forcing the sealant applicator to work within the constraints of the coastal tide. Product applied between the concrete panels had to be fast curing to ensure the incoming tide caused no damage to the sealant. Due to the location, the product used was also required to be resistant to salt water and harsh weather conditions.

SIKA SOLUTIONS

Concrete panels were not precast but fabricated on-site. All joints between the concrete panels were sealed with Sikaflex®-423 PowerCure. Correct ratios of sealant and booster were mixed with the Sika Powercure Dispensing system, quickly and efficiently applying the product directly into the joint. Sikaflex®-423 PowerCure cures quickly in both vertical and horizontal joints, is resistant to salt water and shows high resistance to weathering.



JOINT SEALING FOR WATER MANAGEMENT INFRASTRUCTURE



SIKA PRODUCTS

Sikaflex®-423 PowerCure

PROJECT PARTICIPANTS

Project owner: Coastal Partners
Applicator: GPB Mastics
Contractor: Mackley's
Sika organization: Sika UK

AWARDS

Flood & Coast Excellence Award 2022

Category: Coastal Management: North Portsea Island Flood and Coastal Erosion Risk Management Scheme

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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