pmp SURFACING

THE STANDARD FOR SPECIALIST SURFACING







Ref CS49/01

Skeffling

Flexipave Flood Alleviation

pmpsurfacing.co.uk

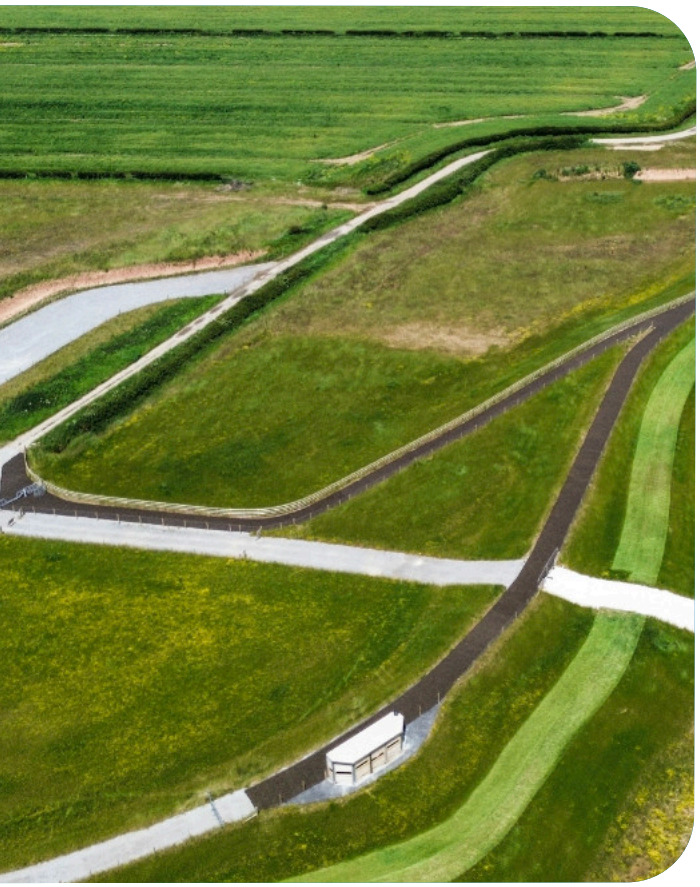
Flexipave Resilient Access Solution

The Skeffling project forms part of a major habitat creation and landscape restoration scheme along the Humber Estuary. 2,800m² of Flexipave was installed as part of the Skeffling Managed Realignment Scheme, led by the RSPB. PMP Surfacing was appointed to deliver a new network of accessible footpaths through the emerging nature reserve.

The works required a surfacing solution capable of performing in a soft, low-lying wetland environment while maintaining minimal environmental impact. A durable, all-weather access route was required that would not compromise the natural drainage or environment.

Flexipave's permeability and flexibility were an ideal choice for the challenging ground conditions, supporting long-term performance.





Tidal Habitat Restoration

Flexipave was chosen for its sustainability and porosity, enhancing accessibility to the new wildlife development. The Humber estuary, a crucial wildlife conservation site, has faced habitat loss and degradation due to new flood defenses and rising sea levels.

This broader project aims to address these challenges and enhance the area's ecological value.

Testimonial

"The Flexipave surface is an exceptional product. The team at PMP Surfacing demonstrated outstanding professionalism throughout the project, delivering work of the highest standard. They were, without a doubt, the best subcontractors we worked with during the entire project" **Paul Craig - Project Manager. JN Bentley**



Flexipave used in this project utilised 6,942 recycled tyres.

- Created a cleaner environment using sustainable materials.
- Improved accessibility all year round.
- Reduced ongoing maintenance.
- Improved visual aspect.
- High levels of porosity.

Flexipave Key Benefits

Excellent Permeability - allows rainwater and tidal water to drain naturally, preventing surface water build-up and supporting the site's natural hydrology.

Flexible & Crack Resistant - adapts to ground movement and settlement in soft coastal environments.

Sustainable Solution - made using recycled tyre rubber, helping divert waste from landfill while supporting environmental goals.

Accessible & Durable - creates a smooth, slip resistant pathway that is long-lasting and suitable for pedestrians.

Supports Habitat Restoration - works in harmony with the surrounding environment by allowing water and air to reach the ground, helping protect the restored tidal system.





flexipave

Skeffling Flood Aleviation Scheme

Following completion of agreements between the Environment Agency and Associated British Ports (ABP), work was able to begin to develop the Outstrays to Skeffling Managed Realignment Scheme (OtSMRS). The plan was to deliver the eastern side of the scheme, including the terrestrial habitat (wet grassland area). Although there were some concerns initially by the local community about the loss of agricultural land by giving it back to the sea, the benefits of the Flood Alleviation Scheme has shown that the remaining land prone to flooding is now protected further.

This managed realignment scheme involved a new embankment further inland and then breaching the old embankment. As a result, seawater can enter through the breach enabling the creation of new intertidal habitats for a wide range of species, including rare and endangered birds. These intertidal mudflats and saltmarsh will play a vital role in the functioning of the estuary's ecosystem.

The project will improve flood protection for properties in Welwick and Skeffling; the existing embankment on the eastern side has been replaced with new and more resilient defences. Work is also being carried out to increase the capacity of Skeffling pumping station.

JBA Consulting were appointed on a Design and Build basis, they worked collaboratively with a range of partners and stakeholders, they provided the detailed design and implementation for large scale habitat creation as part of this managed realignment scheme. Over 150 hectares of new intertidal habitat and supporting freshwater. Wet grassland ensures that the unique environment of the Humber Estuary can be preserved and protected for future generations.

Andrew Newton, Project Executive of the Environment Agency has overseen the project from its conception over 20 years ago through to its near completion this decade. Included within the consultation of Partners was the proposed users of the pathway running along the embankments passing the bird hides. One of these partners was the British Horse Society, represented by Hazel Armstrong and Mark Corrigan, Yorkshire Region Access Field Office.

The British Horse Society endorse Flexipave as an appropriate surface dressing and 'access for all' pathways suitable for equestrian usage. With their support JN Bentley accepted Flexipave as the surface to use along much of the embankment and access routes which has proven very successful. JN Bentley's Contract Manager, Rob Culledge initially had reservations about the use of Flexipave being an unknown product to the group. However, following the installation he accepted that it is very much the appropriate product for the pathway and he is delighted with its success.

In late 2023 PMP Surfacing were delighted to be appointed and in spring 2024 PMP Surfacing commenced with the installation of pathways totall over 2500m². With accessible pathways running from car parks, up ramps and along the top of the flood alleviation embankment, the pathway offers access to all non-motorised users to the bird hides and fantastic views across the Humber Estuary displaying Flora and Fauna, sounds and sights to its users many of whom would never have been able to experience.

pmp SURFACING
THE STANDARD FOR SPECIALIST SURFACING

PMP Surfacing Ltd
Unit 1, NEXUS, Dodworth,
Barnsley S75 3UD

t: 01226 447292
e: info@pmpsurfacing.co.uk

Visit Our Website
pmpsurfacing.co.uk

TikTok @pmp.surfacing
/PMPSurfacing
@pmp_surfacing
@PMPSurfacing
PMP Surfacing