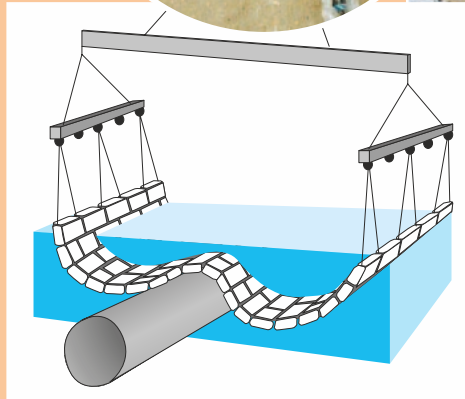


PROTECTION FOR SUBMERGED PIPELINES AND CABLES



Durability with flexibility

We have over 20 years experience in the development, production and installation of flexible concrete mattresses. It is this extensive knowledge that has helped to make the **Pipeflex** pipeline protection system one of the most cost effective and manageable methods available.

Protection from scour and mechanical damage

Principally developed for the protection of underwater pipelines and telephone cables.

Pipeflex incorporates a range of features that can be of great benefit in most applications.

Pipeflex mattresses can articulate in two planes to accommodate the most uneven terrain.

Pipeflex blocks are produced in weights of 285 kg/m² and 530 kg/m².

Pipeflex mattresses can be made up to dimensions that will suit the needs of individual projects.

Lifting frames are available to help with the handling and installation of the **Pipeflex** mattress system.

Pipeflex mattresses offer striking benefits

The blocks have tapered round edges for easy articulation

Small block size improves articulation

Mattresses have the ability to flex in two planes to give a more even coverage when placed

Two sets of dual direction cables keep blocks in close formation

Where appropriate the mattresses can be recovered, stored and reused

The heavy weight/high density mattresses counter the buoyancy problems experienced with some types of outfall pipe



TWO MATTRESS CONFIGURATIONS

To get the best installation efficiency and reduce scour to a minimum we offer two linkage assemblies.

Pipeflex OB

Where mattresses are needed to protect pipelines and cables over uneven terrain or obstacles and where maximum flexibility is required in two planes, the mats can be linked "out of stretcher bond" allowing closer contact and greater protection.

Pipeflex IB

Over more even terrain, mats can be assembled "in stretcher bond" and will adapt to the contours.

EVEN MORE OPTIONS

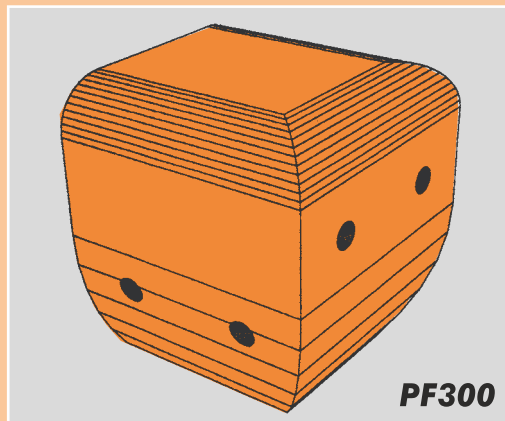
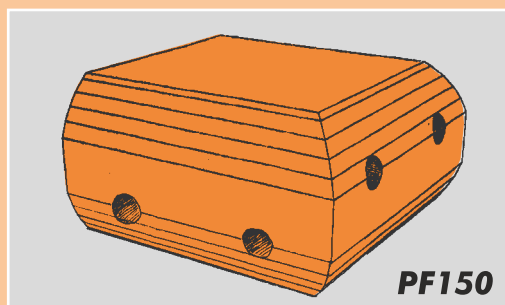
We offer two block sizes both of which will provide robust and strong protection under extreme tidal conditions.

Mattresses are normally supplied with the lifting and joining loops located on the short side. Our production facility will, if required, provide these along the long side or, if specified, all four sides.

To increase durability in long term saline installation, we can secure the blocks using a high strength polypropylene rope, in addition to the galvanised wire cable.



Pipeflex mattresses are produced to the highest standards using only the best quality materials



Technical Specifications

Pipeflex block dimensions

PF 150 250 mm x 250 mm x 150 mm deep

PF 300 250 mm x 250 mm x 300 mm deep

Weights of Pipeflex in air

PF 150 285 kg/m²

PF 300 530 kg/m²

Lifting loop intervals 500 mm

Concrete quality

Sulphate resistance Class DS-2

Compressive cube strength 50 N/mm² at 28 days

Calculated density 2200 kg/m³

Higher densities available to order up to 5000 kg/m³

Pipeflex mattress dimensions:

Standard PF 150 5.00 m x 2.50 m

Standard PF 300 5.00 m x 2.50 m



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